

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Phulwarisharif
Exam Date	01/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The couple / preferred to walk / until the last house / of the town.

- Ans
- 1. of the town
 - 2. preferred to walk
 - 3. The couple
 - 4. until the last house

Q.2 Select the sentence in the future tense.

- Ans
- 1. I will be twenty five next Sunday.
 - 2. I have been twenty five next Sunday.
 - 3. I could be twenty five next Sunday.
 - 4. I should be twenty five next Sunday.

Q.3 The underlined phrase in the given sentence has been used incorrectly. Select the option that can correctly replace the underlined segment.

I am down with her complaints.

- Ans
- 1. looked down with
 - 2. passed out with
 - 3. fed up with
 - 4. held down with

Q.4 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

Passengers started behaving / violent when / they were asked / to leave the bus station.

- Ans
- 1. they were asked
 - 2. violent when
 - 3. Passengers started behaving
 - 4. to leave the bus station.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

As Paul was (1)_____ his supper, Aunt Jenny (2) _____ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) _____ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) _____ .

He (5) _____ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1.

Ans 1. grazing

2. eating

3. feeding

4. churning

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

As Paul was (1)_____ his supper, Aunt Jenny (2) _____ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) _____ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) _____ .

He (5) _____ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

Ans 1. demanded

2. asked

3. allowed

4. submitted

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

As Paul was (1)_____ his supper, Aunt Jenny (2) _____ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) _____ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) _____ .

He (5) _____ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

Ans 1. weakness

2. talent

3. technique

4. purpose

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

As Paul was (1)_____ his supper, Aunt Jenny (2) _____ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) _____ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) _____ .

He (5) _____ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. view
 2. drop
 3. guess
 4. suspicion

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

As Paul was (1)_____ his supper, Aunt Jenny (2) _____ him questions that have been full of deceit , and had a very deep meaning, for she wanted to trap him. It seemed as if she was endowed with a (3) _____ which could hunt for dark and mysterious tact.

She asked, "Did you now not want to swim, Paul?"

Paul felt an uncomfortable (4) _____ .

He (5) _____ Aunt Jennys face; however it informed him nothing. So, he said, "No, ma'am."

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. pursued
 2. ruffled
 3. searched
 4. chased

Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The little boy cried with pain when he burnt his fingers.

- Ans 1. No substitution required
 2. while he burn his fingers
 3. as he burning his fingers
 4. when he burns his fingers

Q.11 Select the most appropriate ANTONYM of the given word .
Trivial

- Ans 1. Lavish
 2. Vain
 3. Liable
 4. Essential

Q.12 Select the INCORRECTLY spelt word.

- Ans 1. Obtain
 2. Encraoch
 3. Delegate
 4. Illusion

Q.13 Select the most appropriate ANTONYM of the given word.
Glory

- Ans 1. Delight
 2. Shame
 3. Honour
 4. Gluttony

Q.14 Select the most appropriate meaning of the underlined idiom.

The realtors of the new venture sold plots like hot cakes.

- Ans 1. Sold illegally
 2. Sold with great difficulty
 3. Sold innovatively
 4. Sold quickly and in large numbers

Q.15 Select the most appropriate option that can substitute the underlined words in the given sentence.

It is a general belief that the female ostrich guard the nest at night.

- Ans 1. is guarding the nest at night
 2. does guard the nest in night
 3. guards the nest at night
 4. guarded the nest at night

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The skunk had a conspicuous spinal stripe.

- Ans 1. faint
 2. charming
 3. obscure
 4. noticeable

Q.17 Select the most appropriate ANTONYM of the underlined word in the given sentence.
How can you be so joyless on hearing the news?

- Ans 1. Blissful
 2. Rapt
 3. Dubious
 4. Beaming

Q.18 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

The documentary explored the historical and cultural significance of the _____ (antique) ruins in the region.

- Ans
- 1. obsolete
 - 2. contemporary
 - 3. ancient
 - 4. modern

Q.19 The following sentence has been split into four segments. Identify the segment that contains a spelling error.

I begged him / to reconsider / the decision but / he refused to yield.

- Ans
- 1. he refused to yield.
 - 2. the decision but
 - 3. I begged him
 - 4. to reconsider

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Rahul had strong pain in his stomach.

- Ans
- 1. strict
 - 2. severe
 - 3. high
 - 4. deep

Q.21 Select the most appropriate ANTONYM of the underlined word.

Would you please support me for once in your life?

- Ans
- 1. document
 - 2. refute
 - 3. establish
 - 4. disclaim

Q.22 Select the most appropriate meaning of the given idiom.

Black and white

- Ans
- 1. In writing
 - 2. Doubtful
 - 3. In dispute
 - 4. A false invention

Q.23 Select the most appropriate option to fill in the blank.

Yesterday, I ate only a _____ of apples for my dinner.

- Ans
- 1. pier
 - 2. pair
 - 3. pear
 - 4. pare

Q.24 Select the most appropriate option to fill in the blank.

In both countries we have leaders of _____ ability.

- Ans 1. exceptional
 2. almighty
 3. powerful
 4. compelling

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

This is best book for children to read.

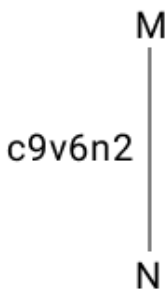
- Ans 1. This is the best book
 2. This is very best book
 3. This is good book
 4. This is very good book

Q.1 What should come in place of the question mark (?) in the given series?

40 ? 18 10 4 0

- Ans 1. 28
 2. 25
 3. 22
 4. 30

Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans 1. 2n6v9c
 2. 2n9v6c
 3. c9v6n2
 4. 2n6v9c

Q.3 LBXF is related to SYCM in a certain way based on the English alphabetical order. In the same way, TGFY is related to AGHF. To which of the following is ZDMK related, following the same logic?

- Ans 1. GREN
 2. GRNE
 3. GNER
 4. GNRE

Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some keys are chains.

All chains are locks.

No lock is a rock.

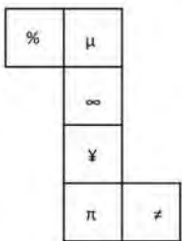
Conclusions:

(I) No rock is a key.

(II) At least some keys are locks.

- Ans**
- 1. Only conclusion I follows
 - 2. Both conclusions I and II follow
 - 3. Only conclusion II follows
 - 4. None of the conclusion follow

Q.5 What would be the symbol on the opposite side of '≠' if the given sheet is folded to form a cube?



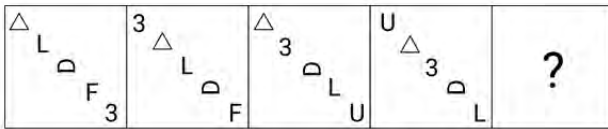
- Ans**
- 1. ∞
 - 2. %
 - 3. μ
 - 4. ¥

Q.6 What should come in place of the question mark (?) in the given series?

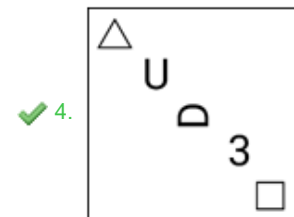
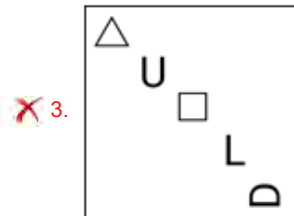
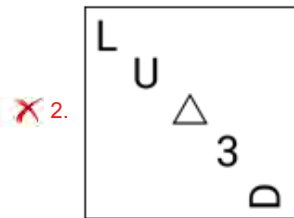
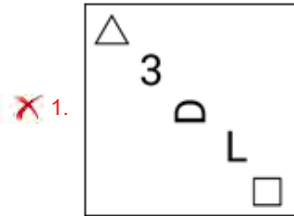
129, 128, 124, 115, 99, ?

- Ans**
- 1. 71
 - 2. 73
 - 3. 74
 - 4. 72

Q.7 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.



Ans



Q.8 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans 1. OXC

2. MVC

3. ENU

4. AJQ

Q.9 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

R T Y Z X C 5 7

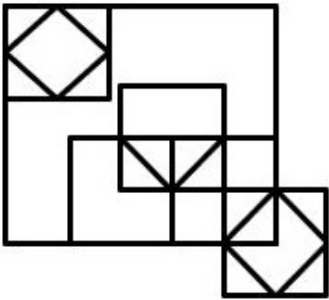
M ————— N

- Ans
- 1. B T Y Z X C 2 1
 - 2. B T Y Z X C 5 1
 - 3. B T Z Y X C 2 1
 - 4. 7 5 C X Z Z 1 Y R

Q.10 The position of how many letters will remain unchanged if each of the letters in the word 'VIRTUAL' is arranged in English alphabetical order?

- Ans
- 1. None
 - 2. One
 - 3. More than three
 - 4. Three

Q.11 How many triangles are there in the given figure?



- Ans
- 1. 14
 - 2. 15
 - 3. 11
 - 4. 13

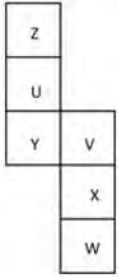
Q.12 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

DFG : IKL

MOP : RTU

- Ans
- 1. TVW : YAB
 - 2. FHI : EGH
 - 3. WYZ : GIJ
 - 4. PST : KHG

Q.13 What would be the letter on the opposite side of 'Y' if the given sheet is folded to form a cube?



- Ans
- 1. V
 - 2. Z
 - 3. X
 - 4. W

Q.14 If the year is NOT a leap year, then how is the last day of the year and first day of the same year related?

- Ans
- 1. First day is Sunday, last day is Saturday
 - 2. First day is Tuesday, last day is Saturday
 - 3. First day is Sunday, last day is Friday
 - 4. They are the same.

Q.15 'A + B' means 'A is the brother of B'.

'A - B' means 'A is the wife of B'.

'A × B' means 'A is the father of B'.

'A ÷ B' means 'A is the sister of B'.

In 'T × X ÷ Y + Z', how is T related to Z using the same meaning of the mathematical operators as given above?

- Ans
- 1. Father
 - 2. Father-in-law
 - 3. Brother
 - 4. Daughter

Q.16 In a certain code language, 'strong and mighty' is written as 'ui yv tk' and 'soft yet strong' is written as 'hd tk bw'. How is 'strong' written in the given language?

- Ans
- 1. ui
 - 2. bw
 - 3. hd
 - 4. tk

Q.17 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$162 \times 9 - 452 + 7 \div 9 = ?$$

- Ans
- 1. 507
 - 2. 707
 - 3. 407
 - 4. 607

Q.18 Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

A _ A _ C A B _ B _ A _ _ B C A B A _ C

- Ans 1. BBACBAB
 2. BBABBCB
 3. BBACABB
 4. BABACBA

Q.19 If 'U' stands for '+', 'D' stands for '×', 'B' stands for '+' and 'T' stands for '-', what will come in place of the question mark (?) in the following equation?
 13 T 26 U 13 D 24 B 7 = ?

- Ans 1. -87
 2. -28
 3. -43
 4. -56

Q.20 In a certain code language, BEAM is coded as 2349 and MEAN is coded as 4327. What is the code for N in that language?

- Ans 1. 2
 2. 3
 3. 7
 4. 4

Q.21 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
 (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
 (10, 5, 20)
 (14, 7, 28)

- Ans 1. (48, 24, 58)
 2. (22, 11, 44)
 3. (54, 18, 72)
 4. (33, 11, 44)

Q.22 Six numbers 1, 3, 5, 6, 7 and 8 are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the number on the face opposite to the face containing 6?



- Ans 1. 5
 2. 3
 3. 7
 4. 8

Q.23 96 is related to 16 following a certain logic. Following the same logic, 156 is related to 26. To which of the following is 228 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 42
 - 2. 38
 - 3. 36
 - 4. 34

Q.24 What should come in place of ? in the given series based on the English alphabetical order?

FNV LUE ? XIW DPF

- Ans
- 1. RBN
 - 2. HRY
 - 3. GQZ
 - 4. UWZ

Q.25 Which two numbers should be interchanged to make the given equation correct?

$$74 - 52 + (39 \div 13) \times 16 + (14 \div 2) = 106$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 14 and 52
 - 2. 52 and 39
 - 3. 74 and 52
 - 4. 14 and 16

Q.1 A and B can do a work in 10 days and 40 days, respectively. How long will it take together to complete the work?

- Ans
- 1. 15 days
 - 2. 20 days
 - 3. 8 days
 - 4. 12 days

Q.2 A motorcycle covered the first 60 km of its journey at an average speed of 40 km/h. The speed of the motorcycle for covering the rest of the journey, i.e. 90 km, was 45 km/h. During the whole journey, the overall average speed of the motorcycle was:

- Ans
- 1. $42\frac{1}{2}$ km/h
 - 2. $42\frac{1}{7}$ km/h
 - 3. 42 km/h
 - 4. $42\frac{6}{7}$ km/h

Q.3 The ratio of the diameters of two spheres is given as 1 : 4. The larger sphere is melted and 125 identical spheres are made out of the molten material. The smaller sphere is melted and 27 identical spheres are made out of the molten material. If the ratio of the volume of each of the 125 identical spheres to the volume of each of the 27 identical spheres is given as 1 : m, what is the value of m?

- Ans
- 1. $\frac{1728}{125}$
 - 2. $\frac{125}{1728}$
 - 3. $\frac{27}{8000}$
 - 4. $\frac{64}{3375}$

Q.4 If equation of line p is $x + y = 5$ and that of line q is $x - y = 3$, what are the coordinates of the point common to both the lines?

- Ans
- 1. (1, 4)
 - 2. (2, 3)
 - 3. (2, 1)
 - 4. (4, 1)

Q.5 A man spent 60% of his salary on household expenses, 20% of his salary on rent and out of remaining salary, he donated 80% to a trust. If he is left with ₹20,000, then what is his salary?

- Ans
- 1. ₹5,50,000
 - 2. ₹5,00,000
 - 3. ₹4,00,000
 - 4. ₹50,000

Q.6 Two parallel chords on the same side of the centre of a circle are 12 cm and 20 cm long and the radius of the circle is $5\sqrt{13}$ cm. What is the distance between the chords?

- Ans
- 1. 2 cm
 - 2. 3 cm
 - 3. 4 cm
 - 4. 5 cm

Q.7 If PQ and PR are the two tangents to a circle with center O, and $\angle QOR = 150^\circ$, then $\angle QPR$ is equal to:

- Ans
- 1. 60°
 - 2. 90°
 - 3. 45°
 - 4. 30°

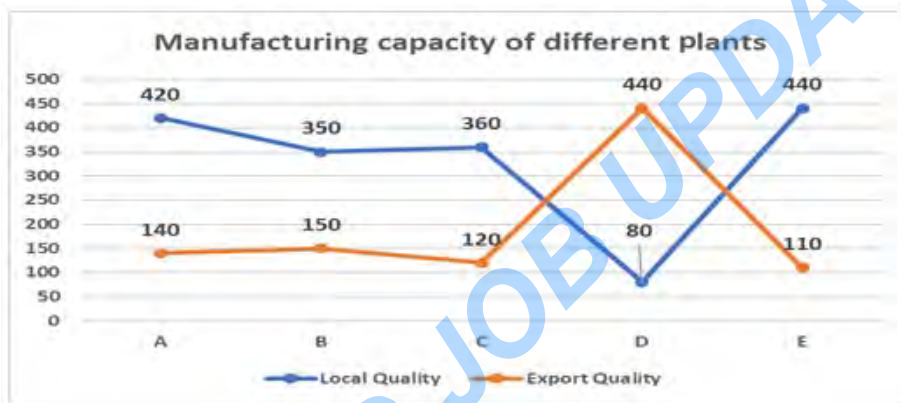
Q.8 In how many years will the simple interest on a sum of money be equal to the principal at the rate of $2\frac{6}{7}\%$ per annum?

- Ans
- 1. 34 years
 - 2. 37 years
 - 3. 35 years
 - 4. 33 years

Q.9 If Arun's salary was decreased by 50% and subsequently increased by 50%, then how much per cent did he lose?

- Ans
- 1. 25%
 - 2. 10%
 - 3. 40%
 - 4. 36%

Q.10 A company has five plants for manufacturing spare parts. Each plant manufactures local quality and export quality. What is the ratio of the production of local quality and export quality units of the highest manufacturing plant?



- Ans
- 1. 4 : 1
 - 2. 3 : 1
 - 3. 2 : 11
 - 4. 7 : 3

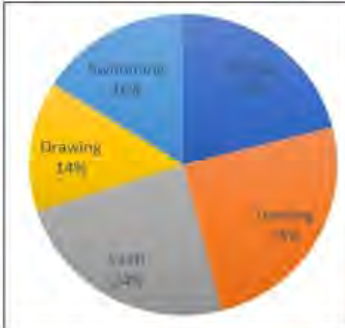
Q.11 A shopkeeper marks up the price of the oil by 40% and uses a faulty machine which measures 15% less. If the shopkeeper gives a discount of 32%, the profit/loss percentage is:

- Ans
- 1. 12% Profit
 - 2. 25% Profit
 - 3. 15% Loss
 - 4. 18% Loss

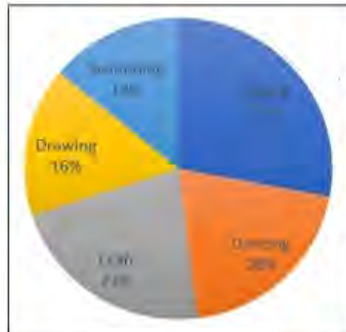
Q.12 The percentage of students enrolled in different activities in a school which are displayed in the left side pie chart. The total number of students is 5000.

In the right-side pie chart, the total number of girls is 1550 and their percentage breakup enrolled in these activities.

Total Students Enrolled



Girls Enrolled



The number of girls enrolled in Craft forms what per cent of the total number of students in the school?

- Ans**
- 1. 6.82%
 - 2. 7.11%
 - 3. 5.82%
 - 4. 5.81%

Q.13 Radhika requested the cashier of a bank to get her coins in lieu of her cheque worth ₹1,845. Cashier gave her a packet containing ₹5, ₹10 and ₹20 coins in the ratio of 3 : 5 : 7. What is the total worth of the smallest coin received by her?

- Ans**
- 1. ₹135
 - 2. ₹125
 - 3. ₹145
 - 4. ₹105

Q.14 In right-angled triangle ABC, $\angle B = 90^\circ$ and angle A and angle C are acute angles. If $\operatorname{cosec} A = 2\sqrt{2}$, then find the value of $\sin A \cdot \cos C + \cos A \cdot \sin C$.

- Ans**
- 1. $\sqrt{2}$
 - 2. 1
 - 3. 0
 - 4. $2\sqrt{2}$

Q.15 Given that the perimeters of two similar triangles, $\triangle ABC$ and $\triangle DEF$, are 24 cm and 9 cm, respectively, and $DE = 3$ cm, what is the ratio between the area of $\triangle ABC$ and that of $\triangle DEF$?

- Ans**
- 1. 54 : 9
 - 2. 54 : 7
 - 3. 64 : 9
 - 4. 64 : 7

Q.16 A largest possible sphere is carved from a cube of side 14 cm. What is its volume in cm^3 ?

- Ans
- 1. $205\frac{1}{3}$
 - 2. $1707\frac{1}{3}$
 - 3. $1437\frac{1}{3}$
 - 4. $1600\frac{1}{3}$

Q.17 The surface area of a cube is 486 cm^2 . Find the volume.

- Ans
- 1. 625 cm^3
 - 2. 512 cm^3
 - 3. 729 cm^3
 - 4. 486 cm^3

Q.18 A man walking at the speed of 5 km/h covers a certain distance in 3 hours 45 minutes. If he covers the same distance by a cycle in 2 hours 10 minutes, then the speed of the cycle in km/h is:

- Ans
- 1. $7\frac{16}{26}$
 - 2. $8\frac{17}{26}$
 - 3. $5\frac{11}{26}$
 - 4. $9\frac{11}{26}$

Q.19 The given table shows the percentage of marks obtained by 5 students in different subjects. Study the table and answer the question that follows. (Maximum marks are given beside subject)

Subjects → Students ↓	Physics 300	Maths 300	Music 100	Hindi 100	Botany 200
Ram	60	80	90	60	95
Shyam	90	70	80	70	40
Sohan	70	90	95	80	75
Mohan	80	60	70	95	80
Karn	90	50	85	85	80

What are the marks (in percentage) obtained by Mohan?

- Ans
- 1. 76.5%
 - 2. 77.5%
 - 3. 75.5%
 - 4. 74.5%

Q.20 What will be the least value of x so that the 5-digit number $627x5$ becomes divisible by 9?

- Ans
- 1. 3
 - 2. 9
 - 3. 4
 - 4. 7

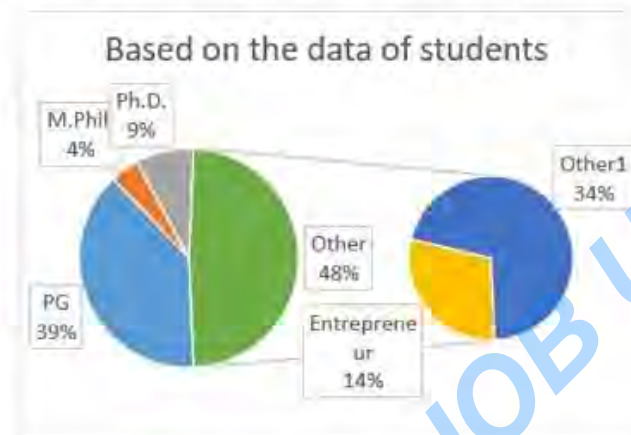
Q.21 Simplify the following expression.

$$3 + 28 \div 35 \times 15 + 4 - 3 \times 4$$

- Ans
- 1. 26
 - 2. 7
 - 3. 64
 - 4. 10

Q.22 Study the given pie-charts and answer the question that follows.

The pie-charts show the data of students' progress after graduation.



Which two combined have the same number of students as the other?

- Ans
- 1. P.G. + M.Phil.
 - 2. P.G. + Ph.D.
 - 3. Entrepreneur + Ph.D.
 - 4. Entrepreneur + P.G.

Q.23 A shopkeeper decides to raise the marked price of an article by 40%. How much percentage discount should he allow to be able to sell the article at the original marked price?

- Ans
- 1. $28\frac{4}{7}\%$
 - 2. $31\frac{2}{7}\%$
 - 3. $24\frac{3}{7}\%$
 - 4. $26\frac{3}{7}\%$

Q.24 Which of the following is a correct statement?

- Ans 1. If two circles touch each other, the point of contact lies on the line joining the two centres.
2. Equal chords are equidistant from the centre of the circle but not always subtend equal angle at centre of the circle
3. The sum of the angles of a cyclic quadrilateral is always 180° .
4. Angles subtended by the arc in the same segment of the circle are in ratio of 2 : 1.

Q.25 Mohan gets 12% increase in his sale amount in the first year and 15% increase in the second year, with that his present sale is ₹1,28,800. What was his sale two years ago?

- Ans 1. ₹1,75,000
2. ₹1,25,000
3. ₹1,00,000
4. ₹1,50,000

Q.1 With which of the following states is the Bhatiali folk music, which is mostly sung by the fishermen, associated?

- Ans 1. Kerala
2. Andhra Pradesh
3. West Bengal
4. Odisha

Q.2 National Institute of Mountaineering and Adventure Sports (NIMAS) is located at _____.

- Ans 1. Nagaland
2. Arunachal Pradesh
3. Mizoram
4. Himachal Pradesh

Q.3 Which of the following states/UTs has the first 100% fully digital literate Panchayat in India?

- Ans 1. Kerala
2. Puducherry
3. Maharashtra
4. Delhi

Q.4 Langvir Nritya is a folk dance from the state of _____.

- Ans 1. Gujarat
2. Uttar Pradesh
3. Uttarakhand
4. Haryana

Q.5 Who was the founder of Arya Samaj?

- Ans 1. Keshub Chandra Sen
2. Rabindranath Tagore
3. Swami Vivekananda
4. Dayanand Saraswati

Q.6 The peninsular plateau of India was a part of which continent earlier?

- Ans 1. North America
 2. Europe
 3. South America
 4. Africa

Q.7 In which part of the Constitution will you find the six broad categories of Fundamental Rights?

- Ans 1. Part I
 2. Part IV
 3. Part II
 4. Part III

Q.8 As of March 2024, who among the following is the Chairperson of the National Green Tribunal?

- Ans 1. Ajay Narayan Jha
 2. Prakash Shrivastava
 3. Swatanter Kumar
 4. Lokeshwar Singh Panta

Q.9 How many squares are there on a chessboard?

- Ans 1. 67
 2. 68
 3. 64
 4. 69

Q.10 Who has the power to regulate the right of citizenship in India?

- Ans 1. Parliament
 2. President
 3. Supreme Court
 4. Governor

Q.11 The five-year plans for India with their duration are given below. Which of the following is correctly matched?

(a)	Second five-year plan	1956-57 to 1960-61
(b)	Third five-year plan	1961-62 to 1965-66
(c)	Fourth five-year plan	1966-67 to 1970-71

- Ans 1. Both b and c
 2. Both a and b
 3. Both a and c
 4. Only a

Q.12 What is the balance of trade of a country?

- Ans
- 1. Ratio of international trade
 - 2. Number of imports
 - 3. Difference between imports and exports
 - 4. Number of exports

Q.13 Daler Mehndi is primarily a famous singer of pop songs in which Indian language?

- Ans
- 1. Punjabi
 - 2. English
 - 3. Bengali
 - 4. Hindi

Q.14 In which year did Johannes Nicolaus Bronsted and Thomas Martin Lowry propose the fundamental concept of acids and bases?

- Ans
- 1. 1928
 - 2. 1921
 - 3. 1925
 - 4. 1923

Q.15 In which year has India hosted the Asian Games for the first time?

- Ans
- 1. 1949
 - 2. 1948
 - 3. 1951
 - 4. 1950

Q.16 Former minister of the state and former president of BJP alliance partner IPFT _____ received the Padma Shri award (posthumously) in 2023.

- Ans
- 1. Rehati Mohan Das
 - 2. Pinaki Das Chowdhury
 - 3. Narendra Chandra Debbarma
 - 4. Prabhat Choudhury

Q.17 In the context of DNA, which of the following principles governs the process of transcription?

- Ans
- 1. The transforming principle
 - 2. The principle of complementarity
 - 3. The principle of inheritance
 - 4. Semiconservative nature of DNA

Q.18 According to the Census of India 2011, most people had out-migrated from _____ to other states in India.

- Ans
- 1. Rajasthan and Gujarat
 - 2. Uttar Pradesh and Madhya Pradesh
 - 3. Maharashtra and Gujarat
 - 4. Uttar Pradesh and Bihar

Q.19 The financial year in India starts from 1st April and ends on _____.

- Ans
- 1. 31st May
 - 2. 30th June
 - 3. 31st March
 - 4. 31st July

Q.20 The growth rate of India's population has been declining since _____.

- Ans
- 1. 1991
 - 2. 1951
 - 3. 1981
 - 4. 1971

Q.21 Average function is listed in the drop-down menu of which of the following tools?

- Ans
- 1. Move function
 - 2. Insert function
 - 3. Financial function
 - 4. Auto Sum function

Q.22 Sakewa is a religious festival celebrated by the Kirat Khambu Rai community of _____.

- Ans
- 1. Arunachal Pradesh
 - 2. Goa
 - 3. Sikkim
 - 4. Himachal Pradesh

Q.23 Where can you find the emoticons in an instant messaging conversation window?

- Ans
- 1. At the bottom of the chat window
 - 2. Any where in the chat window
 - 3. At the middle of the chat window
 - 4. At the top of the chat window

Q.24 Geoid is the _____ of earth.

- Ans
- 1. orbit
 - 2. axis
 - 3. colour
 - 4. shape

Q.25 Who among the following was the author of 'Brihat Katha Kosh'?

- Ans
- 1. Dandin
 - 2. Bhavabhuti
 - 3. Kshemendra
 - 4. Harisena

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Zoo Park Tirupathi
Exam Date	01/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.

Ramayana is an ancient Sanskrit epic; it is believed to be written around 500 BC to 100 BC.

- Ans 1. Ramayana is an ancient
 2. around 500 BC to 100 BC.
 3. believed to be written
 4. Sanskrit epic; it is

Q.2 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

She always / likes to / show on / her wealth.

- Ans 1. she always
 2. her wealth.
 3. likes to
 4. show on

Q.3 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.

If it will rain tomorrow, I will stay at home.

- Ans 1. If it
 2. at home
 3. will rain
 4. I will

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Hard had she / thrown the basketball / when it fell / on the ground.

- Ans 1. thrown the basketball
 2. when it fell
 3. on the ground
 4. Hard had she

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. sowed
 2. scattered
 3. buried
 4. threw

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. shallow
 2. deep
 3. grounded
 4. profound

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. rooted
 2. drove
 3. controlled
 4. minded

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. collapsed
 2. evolved
 3. banished
 4. uprooted

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The period from 1858-1905 was the seed time of Indian nationalism; and the early nationalists (1) _____ the seeds well and deep. Instead of basing their nationalism or appeals to (2) _____ sentiments and passing emotions, or abstract rights of freedom and liberty, or on obscurantist appeals to the past, they _____ (3) it in a hard-headed and penetrating analysis of the complex mechanism of modern imperialism and the chief contradiction between the interests of the Indian people and British rule. The result was that they (4) _____ a common political and economic programme which (5) _____ rather than divided the different sections of the people. Later on, the Indian people could gather around this programme and wage powerful struggles.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. complicated
 2. united
 3. classified
 4. dissolved

Q.10 Select the INCORRECTLY spelt word in the given sentence.

A distinguished academecian, Amartya Sen has taught in India, Britain and the United States.

- Ans 1. Taught
 2. Distinguished
 3. Academecian
 4. Britain

Q.11 Select the most appropriate meaning of the given idiom.
At one's fingertips

- Ans 1. Out of reach
 2. To take revenge
 3. To have complete knowledge
 4. To be unaware of something

Q.12 Select the option that can be used as a one-word substitute for the given group of words.

Hospital for people with mental illnesses

- Ans
- 1. Druggist
 - 2. Shelter
 - 3. Asylum
 - 4. Hangar

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The road which connecting the two states is overcrowded.

- Ans
- 1. has connecting
 - 2. connected
 - 3. connects
 - 4. have connected

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The committee deposed him from his office.

- Ans
- 1. Demolished
 - 2. Segregated
 - 3. Interacted
 - 4. Promoted

Q.15 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Ria is liked by everyone as she is very amicable.

- Ans
- 1. Dangerous
 - 2. Stupid
 - 3. Unfriendly
 - 4. Hateful

Q.16 Select the most appropriate ANTONYM of the given word.
Resistance

- Ans
- 1. Tenderness
 - 2. Tolerance
 - 3. Reliance
 - 4. Awareness

Q.17 Select the most appropriate ANTONYM of the underlined word.
The rocky terrain made the hike difficult and strenuous.

- Ans
- 1. Lively
 - 2. Demanding
 - 3. Easy
 - 4. Intense

Q.18 Select the most appropriate meaning of the underlined idiom.

Teja followed his friend's advice so now he is in deep water.

- Ans 1. In trouble
 2. In good position
 3. In deep thoughts
 4. In dilemma

Q.19 Select the most appropriate ANTONYM of the given word.

Beautiful

- Ans 1. Pungent
 2. Ugly
 3. Slimy
 4. Stingy

Q.20 Select the most appropriate ANTONYM of the underlined word.

Language interacts with all aspects of human life and society.

- Ans 1. interrelates
 2. co-operates
 3. disconnects
 4. intermingles

Q.21 Select the most appropriate option that can replace the bracketed word segment in the following sentence.

Children should avoid giving out personal details online (which will) identify them or their location.

- Ans 1. that could
 2. what will
 3. which might lead
 4. whichever can

Q.22 Select the most appropriate ANTONYM of the word 'Defeat' in the given sentence.

The first battle of Panipat was fought on 21 April 1526, where Babur introduced canon warfare and was able to gain victory on Delhi and subjugated sultanate ruler Ibrahim Lodi.

- Ans 1. victory
 2. warfare
 3. gain
 4. subjugated

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.

As I have no time to discuss the points, so I wrote a email to her.

- Ans 1. I write an email to her
 2. I wrote an email to her
 3. so I wrote an e-mail for her
 4. so I wrote a e-mail to her

Q.24 Select the INCORRECTLY spelt word.

- Ans 1. Aquire
 2. Congratulate
 3. Hygiene
 4. Category

Q.25 Select the most appropriate option to fill in the blank.

It took 4 hours straight to _____ the deal with the regional company.

- Ans 1. perform
 2. get
 3. close
 4. stop

Q.1 In a certain code language, 'messages are encrypted' is written as 'tg gc mz' and 'are you coming' is written as 'ze fp mz'. How is 'are' written in the given language?

- Ans 1. gc
 2. fp
 3. mz
 4. ze

Q.2 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

- All rings are earrings.
- Some rings are chains.
- All chains are bangles.

Conclusions:

- I. Some rings are bangles.
- II. Some earrings are bangles.
- III. Some chains are earrings.

- Ans 1. Both conclusions I and III follow.
 2. Both conclusions I and II follow.
 3. Both conclusions II and III follow.
 4. All conclusions I, II and III follow.

Q.3 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- (21, 34, 76)
- (39, 26, 104)

- Ans 1. (28, 23, 79)
 2. (34, 25, 102)
 3. (25, 31, 108)
 4. (37, 43, 127)

Q.4 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

KJ_HIJKI_JM_EJ_K

- Ans 1. IMKR
 2. GIJO
 3. KJOM
 4. IGJO

Q.5 If 15 December 2006 is a Friday, then what will the day of the week on 13 October 2009?

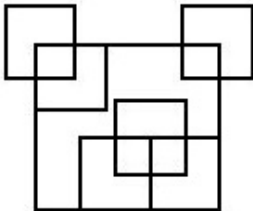
- Ans 1. Friday
 2. Monday
 3. Saturday
 4. Tuesday

Q.6 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

D U P E 5 2 S H
 M ————— N

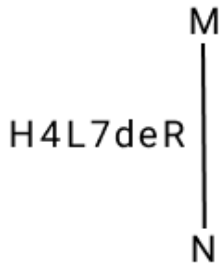
- Ans 1. D U P E 2 5 2 H
 2. H 2 2 2 3 9 U D
 3. H 2 5 2 3 9 U D
 4. D U P E 2 5 2 H

Q.7 How many squares are there in the given figure?



- Ans 1. 10
 2. 11
 3. 12
 4. 9

Q.8 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. Rəb7L4H
 - 2. H4L7deR
 - 3. Rəb7L4H
 - 4. deR7L4H

Q.9 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

Ans

- 1.
- 2.
- 3.
- 4.

Q.10 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Continue – Interrupt

- Ans**
- 1. Cow – Buffalo
 - 2. Attic – Common
 - 3. Safe – Secure
 - 4. Connect – Join

Q.11 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Hand : Wrist

- Ans**
- 1. Foot : Ankle
 - 2. Ear : Hair
 - 3. Muscle : Bone
 - 4. Skull : Stomach

Q.12 What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and '×' and '-' are interchanged?

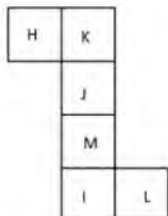
$$21 + 3 - 7 + 11 \times 4 = ?$$

- Ans**
- 1. 48
 - 2. 51
 - 3. 63
 - 4. 56

Q.13 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- 1. LIF
 - 2. QNL
 - 3. WTQ
 - 4. ROL

Q.14 What would be the letter on the opposite side of 'K' if the given sheet is folded to form a cube?



- Ans**
- 1. M
 - 2. I
 - 3. L
 - 4. H

Q.15 11 is related to 55 following a certain logic. Following the same logic, 22 is related to 110. To which of the following is 44 related following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. 230
 2. 220
 3. 200
 4. 210

Q.16 Which of the following numbers will replace the question mark (?) in the given series?
54 58.7 64.4 71.1 78.8 ?

- Ans 1. 86.8
 2. 87.5
 3. 85.1
 4. 84.4

Q.17 'Q + R' means 'Q is the father of R'
 'Q – R' means 'Q is the wife of R'
 'Q × R' means 'Q is the brother of R'
 'Q ÷ R' means 'Q is the daughter of R'.
 What does ' M – N + O' mean?

- Ans 1. M is the mother of O
 2. M is the daughter of O
 3. M is the brother of O
 4. M is the father of O

Q.18 What should come in place of the question mark (?) in the given series?
162, 167, 172, 177, 182, ?

- Ans 1. 186
 2. 187
 3. 188
 4. 185

Q.19 If 6 May 2005 is a Friday, then what will the day of the week on 25 September 2018?

- Ans 1. Sunday
 2. Tuesday
 3. Thursday
 4. Friday

Q.20 In a certain code language, 'KIOSK' is coded as 'LJRTL' and 'FLAME' is coded as 'GMDNF'. What is the code for 'ENJOY' in the given code language?

- Ans 1. FOMPZ
 2. ENOQZ
 3. GNMRY
 4. EMOQY

Q.21 If 'T' stands for 'x', 'M' stands for '+', 'K' stands for '÷' and 'G' stands for '-', what will come in place of the question mark (?) in the following equation?
 $100 K 5 M 73 T 48 M 56 G 23 = ?$

- Ans**
- 1. 3557
 - 2. 3500
 - 3. 3560
 - 4. 3575

Q.22 What should come in place of ? in the given series based on the English alphabetical order?

ZRJ EUK JXL ? IDN

- Ans**
- 1. OAM
 - 2. HST
 - 3. WNE
 - 4. QHR

Q.23 If 'Z' stands for '÷', 'Q' stands for 'x', 'H' stands for '+' and 'E' stands for '-', what will come in place of the question mark (?) in the following equation?
 $17 H 23 Q 42 Z 7 E 13 = ?$

- Ans**
- 1. 785
 - 2. 142
 - 3. 688
 - 4. 975

KD JOB UPDATES

Q.24 Which figure should replace the question mark (?) if the following figure series were to be continued?

△	♡	♡	C	C	S	S	A	
S	A	R	9	R	A	△	△	9
0	9	S		0	0	♡	△	0

?

Ans

✓ 1.

A	△
C	♡
R	9
0	S

✗ 2.

0	S
C	♡
R	9
A	△

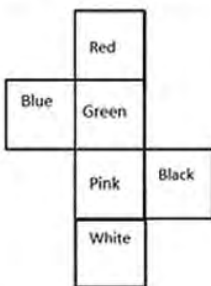
✗ 3.

0	S
R	9
C	♡
A	△

✗ 4.

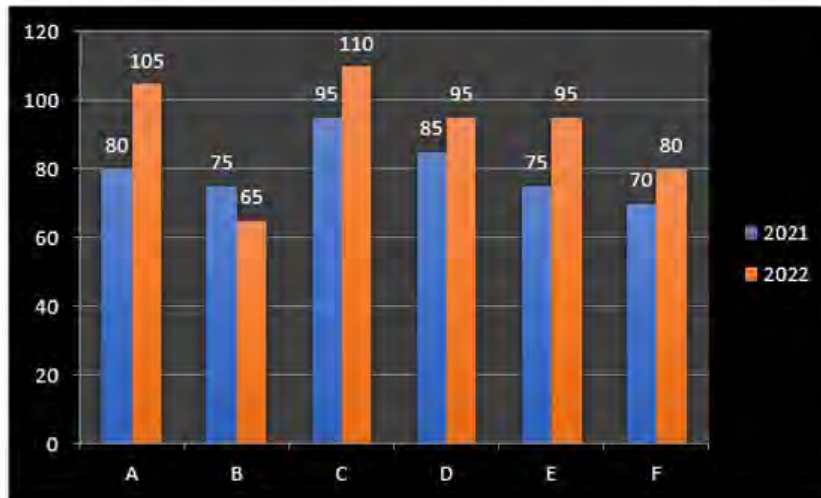
△	0
S	9
R	A
♡	C

Q.25 What would be the word on the opposite side of 'Blue' if the given sheet is folded to form a cube?



- Ans**
- ✓ 1. Black
 - ✗ 2. White
 - ✗ 3. Pink
 - ✗ 4. Red

Q.1 The following bar graph shows the sales (in thousands) of magazines from six branches (A, B, C, D, E and F) of a publishing company during two consecutive years 2021 and 2022.



What percent of the average sales of branches A, B and C in 2022 is the average sales of branches A, C and F in 2021?

- Ans
- 1. 87.5%
 - 2. 86.2%
 - 3. 82.3%
 - 4. 88.4%

Q.2 The age of the older of two boys is thrice that of the younger. 9 years ago it was five times that of the younger. Find the present age of each.

- Ans
- 1. 15 years, 45 years
 - 2. 18 years, 54 years
 - 3. 17 years, 51 years
 - 4. 12 years, 36 years

Q.3 The respective ratio between numerical values of the curved surface area and the volume of a right circular cylinder is 2 : 3. If the respective ratio between the radius and the height of the cylinder is 3 : 7, what is the total surface area of the cylinder?

- Ans
- 1. $62\pi \text{ cm}^2$
 - 2. $45\pi \text{ cm}^2$
 - 3. $65\pi \text{ cm}^2$
 - 4. $60\pi \text{ cm}^2$

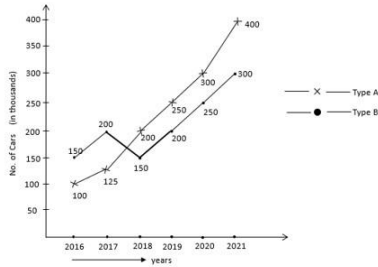
Q.4 A person drives 110 miles at 55 miles per hour, he drives the next 120 miles at 60 miles per hour, and then he drives the next 60 miles in an hour. What is his average speed for the entire journey in miles per hour ?

- Ans
- 1. 55
 - 2. 60
 - 3. 63
 - 4. 58

Q.5 The price of an electric bike was ₹1,25,000 last year. This year, its price got decreased by 30%. What is the price (in ₹) of the electric bike this year?

- Ans**
- 1. 87,000
 - 2. 86,000
 - 3. 87,500
 - 4. 86,500

Q.6 The following graph shows the production (in thousands) of two types (A and B) of cars by a company over the years 2016 to 2021.



In how many of the given years was the production of type A cars more than the average production of this type car in the given years?

- Ans**
- 1. 3
 - 2. 2
 - 3. 1
 - 4. 4

Q.7 PQ is a diameter of a circle with centre O. The tangents at R meets PQ produced at A. If $\angle RPQ = 27^\circ$, then measure of $\angle RQP$ is:

- Ans**
- 1. 63°
 - 2. 54°
 - 3. 27°
 - 4. 153°

Q.8 Reshma took a loan of ₹12,00,000 with simple interest for as many years as the rate of interest. If she paid ₹9,72,000 as interest at the end of the loan period, what was the rate of interest per annum ?

- Ans**
- 1. 9%
 - 2. 8.7%
 - 3. 8%
 - 4. 7.5%

Q.9 Two circles touch each other at a point O. AB is a simple common tangent to both the circles touching at point A and point B. If radii of the circles are 9 cm and 4 cm, then find AB.

- Ans**
- 1. 72 cm
 - 2. 12 cm
 - 3. 24 cm
 - 4. 144 cm

Q.10 Ravi sells his goods at a 25% loss on cost price but uses 45% less weight. What is his percentage profit or loss?

- Ans
- 1. Loss, $47\frac{9}{10}\%$
 - 2. Loss, $36\frac{4}{11}\%$
 - 3. Profit, $36\frac{4}{11}\%$
 - 4. Profit, $47\frac{9}{10}\%$

Q.11 Find the number when successively divided by 3, 5 and 7 leaves remainder 2, 1 and 3, respectively, and the last quotient is 3.

- Ans
- 1. 367
 - 2. 365
 - 3. 362
 - 4. 360

Q.12 If 18 toys out of 75 toys are for boys and the rest are for girls, what is the percentage of girls toys?

- Ans
- 1. 57%
 - 2. 76%
 - 3. 67%
 - 4. 18%

Q.13 If $2^3 : 8^{5.06} :: 8^{-4.06} : x$, find the value of x.

- Ans
- 1. 2^3
 - 2. 0
 - 3. 1
 - 4. $\frac{1}{2^3}$

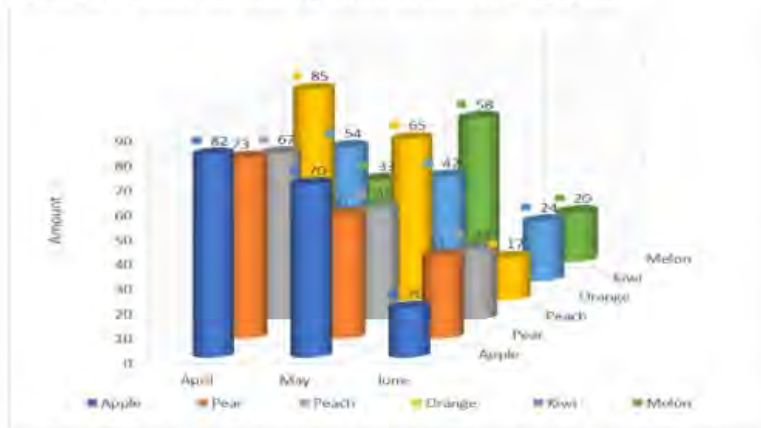
Q.14 In a $\triangle ABC$, two medians AD and BE intersect at G at right angles. If AD = 18 cm and BE = 12 cm, then the length of BD is equal to:

- Ans
- 1. 15 cm
 - 2. 10 cm
 - 3. 20 cm
 - 4. 8 cm

Q.15 Ram travelled an equal distance with the speed of 40 km/hr, 45 km/hr and 60 km/hr. What is the average speed of Ram during the whole journey? Correct to two decimal places.

- Ans
- 1. 94.66 km/hr
 - 2. 46.96 km/hr
 - 3. 64.96 km/hr
 - 4. 66.94 km/hr

Q.16 Study the given three-dimensional chart and answer the question that follows.
The chart details the sale of fruits in different months.



In which month was the sale of Melons the lowest and by how much was it more than the sale of Oranges in that month?

- Ans**
- 1. April, 3
 - 2. May, 3
 - 3. June, 3
 - 4. June, 4

Q.17 The value of $\left(\frac{7+8 \times 7 \div 8+7 \div 7 \div 7}{3+3 \times 3 \div 3+5 \div 5 \div 5}\right)$ is :

- Ans**
- 1. $1 \frac{81}{217}$
 - 2. $2 \frac{61}{217}$
 - 3. $3 \frac{27}{217}$
 - 4. $1 \frac{31}{217}$

Q.18 The surface areas of two spheres are in the ratio 25 : 36. What is the ratio of their volumes?

- Ans**
- 1. $\frac{36}{115}$
 - 2. $\frac{125}{216}$
 - 3. $\frac{36}{125}$
 - 4. $\frac{25}{36}$

Q.19 What is the value of the following expression?

$$\frac{4}{7} \times 4\frac{1}{2} \div 5\frac{1}{3} \text{ of } 2\frac{1}{2} - \left(7\frac{7}{8} \div 5\frac{1}{9} \text{ of } 9\frac{9}{20}\right) + \frac{1}{2}$$

- Ans
- 1. $\frac{1759}{3250}$
 - 2. $\frac{1113}{856}$
 - 3. $\frac{853}{1610}$
 - 4. $\frac{1093}{111}$

Q.20 The sides of a cuboid are in the ratio 3 : 4 : 5 and its surface area is equal to the surface area of the cube with side 6 units. What is the approximate volume of the cuboid?

- Ans
- 1. 240
 - 2. 210
 - 3. 150
 - 4. 180

Q.21 A and B can do a piece of work in eight days and B alone can do it in 16 days. In how many days, can A do it alone?

- Ans
- 1. 16 days
 - 2. 24 days
 - 3. 10 days
 - 4. 18 days

Q.22 The given table shows the marks obtained by 100 students out of 50 marks in Mathematics and Physics in an examination.

Marks / Subjects	40 or above	30 or above	20 or above	10 or above	0 or above
Mathematics	9	32	80	92	100
Physics	4	21	66	81	100
Average	7	27	73	87	100

If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

- Ans
- 1. 66
 - 2. 21
 - 3. 81
 - 4. 27

Q.23 In a circle, ABCD is a cyclic quadrilateral in which AE is drawn parallel to CD, and BA is produced to F. If $\angle ABC = 85^\circ$ and $\angle FAE = 24^\circ$, find the value of $\angle BCD$.

- Ans 1. 119°
 2. 124°
 3. 115°
 4. 125°

Q.24 Three persons ran for office and got, 1136, 7636 and 11628 votes, respectively. What was the winning candidate's percentage of the total votes?

- Ans 1. 59%
 2. 52%
 3. 61%
 4. 57%

Q.25 If $\sin\theta = \frac{2xy}{x^2+y^2}$, then the value of $\tan\theta$ is:

- Ans 1. $\frac{2xy}{x^2 - y^2}$
 2. $\frac{x^2 - y^2}{2xy}$
 3. $\frac{x^2 - y^2}{x^2 + y^2}$
 4. $\frac{x^2 + y^2}{x^2 - y^2}$

Q.1 Which of the following is NOT a stringed instrument?

- Ans 1. Mandolin
 2. Guitar
 3. Flute
 4. Violin

Q.2 According to the National Crime Records Bureau data, from 2016 to 2019, suicide cases due to unemployment have increased by _____.

- Ans 1. 24%
 2. 20%
 3. 18%
 4. 21%

Q.3 Which of the following is NOT one of the main pillars of the 'Namami Gange Programme', launched by the Government of India in 2014?

- Ans 1. Sewerage Treatment Infrastructure
 2. Industrial Effluent Monitoring
 3. River Linkage Development
 4. River-Front Development

Q.4 Which of the following dances developed in the monasteries of Assam?

- Ans 1. Bharatanatyam
 2. Kathak
 3. Sattriya
 4. Kuchipudi

Q.5 When was the Swarnajayanti Gram Swarozgar Yojana (SGSY) launched by the Government of India?

- Ans 1. 1999
 2. 2000
 3. 1995
 4. 1991

Q.6 In the given main characteristics of farming which is NOT a characteristic of the Indian commercial farming?

- Ans 1. Slash and burn
 2. Insecticides and pesticides
 3. Chemical fertilisers
 4. High yielding variety seeds

Q.7 In year 2023, the Government of India launched which of the following schemes to bring Indian-origin researchers to higher educational institutions in the country?

- Ans 1. VAPSI
 2. AMANTRAN
 3. SEEKHO
 4. VAIBHAV

Q.8 Which of the following statements is correct about the Five-Year Plan?

- Ans 1. All Five-Year Plans have equal rates of growth.
 2. The President was the ex-officio chairperson of the Planning Commission.
 3. The first Five-Year Plan was started in 1951.
 4. The Planning Commission was constituted in 1951.

Q.9 Which power were the Badami (or Vatapi) Chalukyas originally subjects of?

- Ans 1. Hoysalas
 2. Pandyas
 3. Kadambas
 4. Pallavas

Q.10 'Hampi Utsava,' which is celebrated in Karnataka, is also called _____. The festival that captures the pomp, splendour and glory of the historical period of Karnataka is celebrated over a week.

- Ans**
- 1. Vijaya Utsava
 - 2. Sarhul Mahotsava
 - 3. Rajasi Utsava
 - 4. Nriya Mahotsav

Q.11 Mohammad Yunus established which of the following banks in 1983?

- Ans**
- 1. Grameen Bank
 - 2. Indian Bank
 - 3. Union Bank
 - 4. State Bank

Q.12 Who among the followings won gold at the International Shooting Sport Federation (ISSF) junior world cup 2023?

- Ans**
- 1. Umamahesh Maddineni
 - 2. Dhanush Srikanth
 - 3. Mahesh Pasupathy Anandakumar
 - 4. Rajkanwar Singh Sandhu

Q.13 Which is, by far, the closest dwarf planet orbiting at only 2.8 times Earth's distance from the sun?

- Ans**
- 1. Ceres
 - 2. Makemake
 - 3. Eris
 - 4. Pluto

Q.14 Which of the following are needed for Skype to function on a computer?

- 1) A web cam
- 2) A microphone
- 3) A speaker

- Ans**
- 1. Only 1 and 2
 - 2. Only 2 and 3
 - 3. 1, 2 and 3
 - 4. Only 1 and 3

Q.15 On 26 January 1950 India became:

- Ans**
- 1. a socialist and secular state
 - 2. a sovereign, democratic, republic state
 - 3. an independent state
 - 4. a unitary state

Q.16 The default width of a column in MS-Excel is:

- Ans**
- 1. 6 characters
 - 2. 7 characters
 - 3. 9 characters
 - 4. 8 characters

Q.17 ICC World Cup (cricket) 2023 was hosted by _____.

- Ans
- 1. India and Bangladesh
 - 2. India
 - 3. India and Sri Lanka
 - 4. India, Sri Lanka and Bangladesh

Q.18 According to Global Multidimensional poverty index (2022), which of the following groups of states is included in top 10 poorest states of India?

- Ans
- 1. Karnataka and Tamil Nadu
 - 2. Manipur and Nagaland
 - 3. Meghalaya and Madhya Pradesh
 - 4. Punjab and Gujarat

Q.19 In which year did Robert Brown observe the zigzag movement of colloidal particles in solution?

- Ans
- 1. 1829
 - 2. 1827
 - 3. 1828
 - 4. 1826

Q.20 _____ is one of the first criticism of the caste system written by Mahatma Phule and published in the year 1873.

- Ans
- 1. Jati ka Unmoolan
 - 2. Bharat Mein Jaati Evam Prajaati
 - 3. Gulami Ki Kahani
 - 4. Gulamgiri

Q.21 Which of the following parts of the Indian Constitution is described as the 'Magna Carta of India'?

- Ans
- 1. Part III
 - 2. Part I
 - 3. Part IV
 - 4. Part II

Q.22 The song 'Teri mitti' is from which of the following movies?

- Ans
- 1. Jai Ho
 - 2. Kesari
 - 3. Satya Mev Jayte
 - 4. Rajniti

Q.23 Who was the chief coordinator for the G20 summit which held in India in 2023?

- Ans
- 1. Vijay Gokhale
 - 2. S Jaishankar
 - 3. Harsh Vardhan Shringla
 - 4. Vinay Kwatra

Q.24 Which of the following statements about eutrophication is correct?

- Ans**
- 1. It happens when too much nitrogen enriches the water, causing excessive growth of plants and algae.
 - 2. It happens when too much carbon enriches the water, causing excessive growth of bacteria and reduced growth of plants.
 - 3. It happens when too less nitrogen is present in the water, causing reduced growth of plants and algae.
 - 4. It is a beneficial process for environment restoration.

Q.25 Nehru Institute of Mountaineering is located at _____.

- Ans**
- 1. Jammuand Kashmir
 - 2. Himachal Pradesh
 - 3. Uttarakhand
 - 4. Leh

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ 1 Moula Ali
Exam Date	01/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The project was completed / more quicker / than expected.

- Ans 1. more quicker
 2. The project was completed
 3. than expected
 4. No error

Q.2 The following sentence has an error in its tense. Identify the error and select the correct sentence from the options.

If you had apprised me about your problem earlier, I would have allow you to go.

- Ans 1. If you apprised me about your problem earlier, I would have allowed you to go.
 2. If you can apprise me about your problem earlier, I would have allowed you to go.
 3. If you had apprised me about your problem earlier, I would have allowed you to go.
 4. If you had apprised me about your problem earlier, I would allow you to go.

Q.3 There is an error in the given sentence. From the options given, identify the sentence that corrects the error to make it a grammatically accurate sentence.

Harmit is not innocent such as Uday.

- Ans 1. Harmit is not as innocent as Uday.
 2. Harmit is not as innocent more than Uday.
 3. Harmit is not as much as innocent as Uday.
 4. Harmit is not innocent than Uday.

Q.4 Select the option with the correct use of article(s).

- Ans 1. She kept an lot of rules in her life, due to which she is flourishing today.
 2. She kept lot of rules in her life, due to which she is flourishing today.
 3. She kept the lot of rules in her life, due to which she is flourishing today.
 4. She kept a lot of rules in her life, due to which she is flourishing today.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) _____ as a healthy sign. (2) _____ obese children grow up, they will be more prone (3) _____ health problems like high blood pressure (4) _____ diabetes. Today, overweight children are becoming a common (5) _____ in many countries.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1.

- Ans 1. seeing
 2. seen
 3. saw
 4. see

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) _____ as a healthy sign. (2) _____ obese children grow up, they will be more prone (3) _____ health problems like high blood pressure (4) _____ diabetes. Today, overweight children are becoming a common (5) _____ in many countries.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

- Ans 1. Who
 2. Where
 3. What
 4. When

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) _____ as a healthy sign. (2) _____ obese children grow up, they will be more prone (3) _____ health problems like high blood pressure (4) _____ diabetes. Today, overweight children are becoming a common (5) _____ in many countries.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

- Ans 1. in
 2. to
 3. on
 4. at

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) _____ as a healthy sign. (2) _____ obese children grow up, they will be more prone (3) _____ health problems like high blood pressure (4) _____ diabetes. Today, overweight children are becoming a common (5) _____ in many countries.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. or
 2. nor
 3. never
 4. neither

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Many parents think of overweight children as 'cute' and cuddly. However, obesity must not be (1) _____ as a healthy sign. (2) _____ obese children grow up, they will be more prone (3) _____ health problems like high blood pressure (4) _____ diabetes. Today, overweight children are becoming a common (5) _____ in many countries.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. light
 2. tight
 3. sight
 4. might

Q.10 Select the most appropriate ANTONYM of the underlined word in the given sentence.

His opponents viewed him as stubborn, dogmatic, and inflexible.

- Ans 1. Careless
 2. Dishonest
 3. Biased
 4. Amenable

Q.11 Select the INCORRECTLY spelt word in the given sentence.

'Vande Mataram', a poignant poem, is obviously and indisputably the premier national song of India.

- Ans 1. Premier
 2. Poignant
 3. Indisputably
 4. Obviously

Q.12 Select the most appropriate meaning of the given idiom.

Blowing smoke

- Ans 1. To tease someone relentlessly
 2. To lie to perplex others
 3. To burn something important
 4. To hide something

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Riding a horse was a piece of cake for him.

- Ans 1. confusing work
 2. an everyday affair
 3. a very easy task
 4. a very difficult task

Q.14 Select the most appropriate synonym of the given word.
Respect

- Ans 1. Disrespect
 2. Invalidate
 3. Honour
 4. Attend

Q.15 Select the most appropriate option that can substitute the underlined word in the given sentence.

The family was saved from the burning building by the brave firefighter.

- Ans 1. unafraid
 2. timid
 3. fearless
 4. cowardly

Q.16 Select the most appropriate option that can best replace the bracketed word to fill in the blank

His _____ stature was not a measure of his overall personality. (scrawny)

- Ans 1. thin
 2. sickly
 3. keen
 4. muscular

Q.17 Select the most appropriate option to substitute the underlined segment in the following sentence.

The company do not broke the law at any time.

- Ans 1. did not broken
 2. do not brakes
 3. does not break
 4. did not breaking

Q.18 Select the most appropriate homonym to fill in the blank.

Sonu eats _____ like a rabbit.

- Ans 1. carat
 2. carrot
 3. caret
 4. karat

Q.19 Select the most appropriate ANTONYM of the word 'bold' in the given sentence.
A person can be friendly, timid, clever, or fearless based on the context of the situation.

- Ans 1. clever
 2. timid
 3. fearless
 4. friendly

Q.20 Select the most appropriate ANTONYM of the given word.
Shame

- Ans 1. Fear
 2. Defamation
 3. Pride
 4. Disgrace

Q.21 Select the option that will most suitably substitute the underlined part of the given sentence.

He was not happy until he gave up his job and live as a fakir in the forests.

- Ans 1. until he gave up his job and lived
 2. until he gives up his job and lived
 3. unless he gave up his job and lives
 4. until he gave up his job and lives

Q.22 Select the most appropriate ANTONYM of the underlined word in the given sentence.
It is no exaggeration to say the Hussain Sagar Lake is an integral element of Hyderabad and Hyderabad's history.

- Ans 1. total
 2. extra
 3. essential
 4. inherent

Q.23 Select the most appropriate homonyms from the given alternatives to fill in the blanks.
He _____ imitate the playful movement of the _____.

Alternatives:

A.does (female deer)

B.does

C.dose

- Ans 1. C, B
 2. B, A
 3. A, B
 4. A, C

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Dhruv's anger blazed of uncontrollably.

- Ans 1. anger blazed onwards
 2. anger blazed up
 3. anger blazed into
 4. anger blazed after

Q.25 Select the INCORRECTLY spelt word.

- Ans 1. Seize
 2. Dissappoint
 3. Rebuke
 4. Foresee

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(111, 16, 7)
 (167, 14, 12)

- Ans 1. (108, 9, 12)
 2. (190, 21, 9)
 3. (131, 12, 11)
 4. (140, 8, 17)

Q.2 If 15 August 2006 is a Tuesday, then what will the day of the week on 19 February 2012?

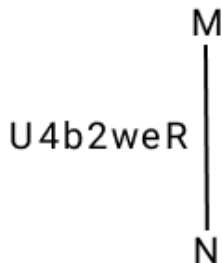
- Ans 1. Friday
 2. Saturday
 3. Sunday
 4. Tuesday

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$91 \times 7 + 27 - 7 \div 13 = ?$$

- Ans 1. 99
 2. 66
 3. 77
 4. 88

Q.4 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans 1. U4b2weR
 2. RɘwɘdɘU
 3. Rɘw4b2U
 4. RɘwɘR

Q.5 What should come in place of ? in the given series based on the English alphabetical order?

CKS LRC ? DFW MMG

- Ans
- 1. HGO
 - 2. VMO
 - 3. YAM
 - 4. UYM

Q.6 Which of the following numbers will replace the question mark (?) in the given series?
119 171 223 275 327 ?

- Ans
- 1. 386
 - 2. 357
 - 3. 369
 - 4. 379

Q.7 What should come in place of ? in the given series?

4 13 ? 58 94 139 193

- Ans
- 1. 36
 - 2. 31
 - 3. 27
 - 4. 26

Q.8 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. OPSN
 - 2. VWZU
 - 3. EFHD
 - 4. MNQL

Q.9 In a certain language, 'this is music' is written as 'Ta Bu Ka' and 'who touched this' is written as 'Pi Ka Bi'. How is 'this' written in the given language?

- Ans
- 1. Bu
 - 2. Ta
 - 3. Bi
 - 4. Ka

Q.10 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$14 + 6 \times 3 + 7 - 2 = ?$$

- Ans
- 1. 10
 - 2. 2
 - 3. 3
 - 4. 8

Q.11 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$46 \times 17 + 4 \div 98 - 7 = ?$$

Ans ✓ 1. 100

✗ 2. 90

✗ 3. 85

✗ 4. 80

Q.12 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

4	S	☆	A	
8	☆	S	8	?
☆ S A A 4 8 8 A 4 4 ☆ S				

Ans

✗ 1.

8
A
☆ S 4

✗ 2.

☆
A
S 8 4

✗ 3.

4
☆
S 8 A

✓ 4.

8
A
S 4 ☆

Q.13 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

CJM : FMP

AHL : DKO

Ans ✗ 1. GHA : AHG

✗ 2. LTV : TVL

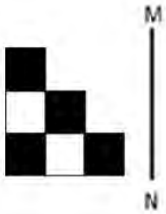
✗ 3. KOQ : PLJ

✓ 4. NRS : QUV

Q.14 In a certain code language, 'CERTAIN' is coded as '9643821' and 'UNCERTAIN' is coded as '964382117'. What is the code for 'U' in that language?

- Ans**
- 1. 6
 - 2. 7
 - 3. 1
 - 4. 4

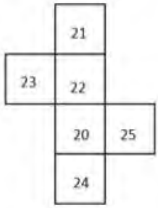
Q.15 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans**
- 1.
 - 2.
 - 3.
 - 4.

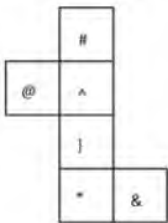
KD JOB UPDATES

Q.16 What would be the number on the opposite side of '20' if the given sheet is folded to form a cube?



- Ans
- 1. 23
 - 2. 22
 - 3. 21
 - 4. 25

Q.17 What would be the symbol on the opposite side of '@' if the given sheet is folded to form a cube?



- Ans
- 1. #
 - 2. *
 - 3. &
 - 4. }

Q.18 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LDP, GHO, BLN, WPM, ?

- Ans
- 1. RSN
 - 2. QSM
 - 3. RTL
 - 4. QSN

Q.19 105 is related to 15 following a certain logic. Following the same logic, 154 is related to 22. To which of the following is 189 related following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 27
 - 2. 29
 - 3. 21
 - 4. 23

Q.20 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

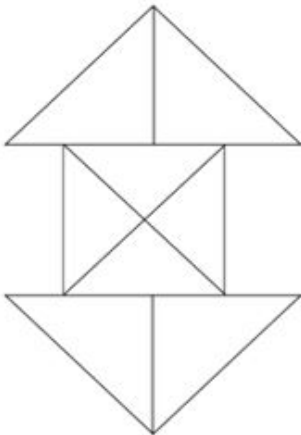
Modest : Humble

- Ans**
- 1. Success : Failure
 - 2. Brave : Fearful
 - 3. Obvious : Evident
 - 4. Knowledge : Ignorance

Q.21 In a certain code language,
 $A + B$ means 'A is the son of B'
 $A - B$ means 'A is the brother of B'
 $A \times B$ means 'A is the wife of B'
 $A \div B$ means 'A is the father of B'
 Based on the above, how is P related to T if ' $P \times Q - R + S \div T$ '?

- Ans**
- 1. Brother's wife's mother
 - 2. Mother
 - 3. Brother's wife
 - 4. Sister

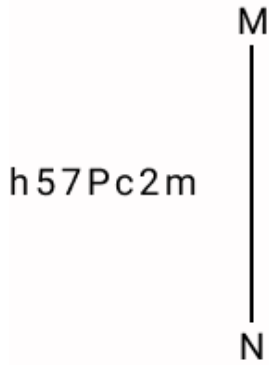
Q.22 How many triangles are there in the given figure?



- Ans**
- 1. 14
 - 2. 12
 - 3. 16
 - 4. 15

KD JOB UPDATES

Q.23 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. h57Pc2m
 - 2. h2vPc2m
 - 3. h57Pc2m
 - 4. h2vPc2m

Q.24 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some handles are bars.

All bars are rods.

No rod is a stick.

Conclusions:

(I) Some handles are rods.

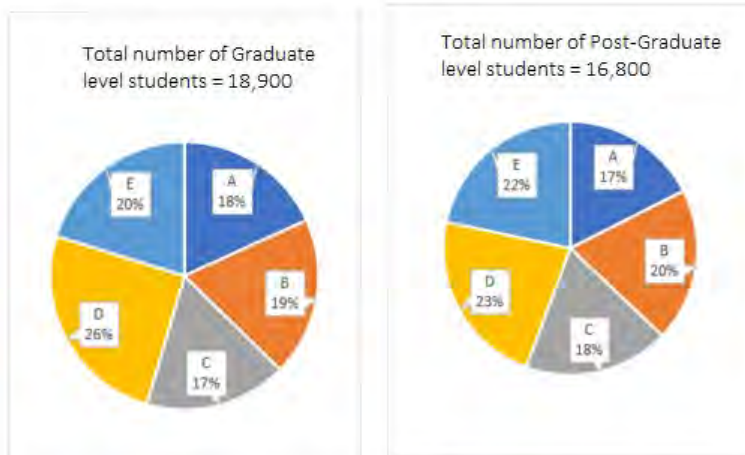
(II) No bar is a stick.

- Ans
- 1. None of the conclusions follow
 - 2. Only conclusion I follows
 - 3. Only conclusion II follows
 - 4. Both conclusions I and II follow

Q.25 How many meaningful English words can be formed with letters CKIK, using each letter only once in each word?

- Ans
- 1. 2
 - 2. 1
 - 3. 3
 - 4. 4

Q.1 The given pie-charts show the distribution of Graduate and Post-graduate level students in five different colleges A, B, C, D and E.



What is the ratio between the number of students studying at Post-Graduate and Graduate levels, respectively, from college E?

- Ans**
- 1. 48 : 37
 - 2. 32 : 43
 - 3. 16 : 17
 - 4. 44 : 45

Q.2 Find the circumference of a circle whose area is 154 m^2 .

- Ans**
- 1. 52 m
 - 2. 44 m
 - 3. 39 m
 - 4. 29.5 m

Q.3 CD is a tangent to a circle of circumference of 88 cm with its centre at O. OC cuts the circle at P while OD cuts circle at V such that $\angle COD = 90^\circ$. Length of PC is 6 cm. What is half of CD (in cm) if OD exceeds OC by 1 cm?

- Ans**
- 1. 14.5
 - 2. 15.5
 - 3. 16.5
 - 4. 31

Q.4 A shopkeeper gives a 10% discount and still earns 10% profit. The marked price of the item is how many times (correct to 2 decimal places) the cost price?

- Ans**
- 1. 1.28
 - 2. 1.20
 - 3. 1.22
 - 4. 1.24

Q.5 If $\cot A = 7$, then the value of $\frac{5 \cos A + 4 \sin A}{\cos^3 A + 7 \sin^3 A + 6 \sin A}$ is:

- Ans
- 1. 2
 - 2. 0
 - 3. 3
 - 4. 1

Q.6 The radius of a roller is 49 cm and its length is 200 cm. It takes 700 complete revolutions to move once over to level a playground. Find the area of the playground. (Use $\pi = \frac{22}{7}$.)

- Ans
- 1. $4312 \times 10^4 \text{ cm}^2$
 - 2. $4312 \times 10^2 \text{ cm}^2$
 - 3. $4322 \times 10^4 \text{ cm}^2$
 - 4. $4312 \times 10^3 \text{ cm}^2$

Q.7 A and B can do a piece of work in 9 days and 15 days, respectively. If they work together, then the work will be completed in:

- Ans
- 1. $5\frac{5}{8}$ days
 - 2. $2\frac{1}{8}$ days
 - 3. $3\frac{3}{8}$ days
 - 4. $4\frac{5}{8}$ days

Q.8 If 1234567y is divisible by 11, then what is the value of y?

- Ans
- 1. 3
 - 2. 2
 - 3. 1
 - 4. 4

Q.9 If the selling price of 100 pens is equal to the cost price of 140 pens, find the profit percentage.

- Ans
- 1. 30%
 - 2. 40%
 - 3. 45%
 - 4. 36%

Q.10 A man can row 18 km/h in still water. It takes him two times as long to row up as to row down the river. Find the rate of the stream.

- Ans
- 1. 9 km/h
 - 2. 12 km/h
 - 3. 24 km/h
 - 4. 6 km/h

Q.11 In a triangle ABC, AB = 6 units, BC = 8 units and AC = 10 units. Let M be a point on AC such that BM = 5 units. With a point D, a triangle BMD is formed and the triangle BMD is similar to the triangle ABC with $\frac{BM}{AB} = \frac{BD}{AC}$. What is the length of BD in units?

- Ans
- 1. $\frac{40}{3}$
 - 2. $\frac{10}{3}$
 - 3. $\frac{25}{3}$
 - 4. $\frac{35}{3}$

Q.12 If the radii of two circles are 6 cm and 3 cm and the length of the transverse common tangent is 8 cm, then the distance between the two circles is:

- Ans
- 1. $\sqrt{145}$
 - 2. $\sqrt{141}$
 - 3. $\sqrt{147}$
 - 4. $\sqrt{143}$

Q.13 An amount becomes double in 7 years on simple interest. The amount would be four times in _____ years on the same rate of simple interest.

- Ans
- 1. 14
 - 2. 18
 - 3. 21
 - 4. 28

Q.14 P pays Q a sum of ₹150 using coins of ₹2, ₹5 and ₹10. He uses a total of 50 coins. If the ratio of ₹2 and ₹5 coins used is 5 : 2, then how many coins of ₹10 are used in the payment?

- Ans
- 1. 2
 - 2. 1
 - 3. 4
 - 4. 5

Q.15 If the price of an article is raised by 35%, by how much per cent must a householder reduce his consumption of that article, so as not to increase his expenditure?

- Ans
- 1. $25\frac{25}{27}\%$
 - 2. $25\frac{23}{27}\%$
 - 3. $25\frac{22}{27}\%$
 - 4. $25\frac{24}{27}\%$

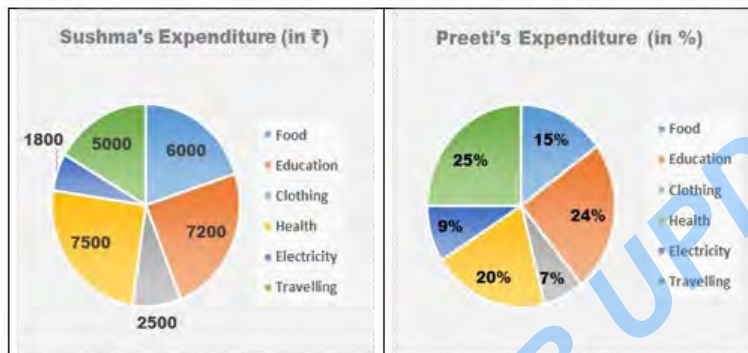
Q.16 The curved surface area of a cone is 2200 cm^2 and its radius is 28 cm, what is the slant height (in cm) of the cone? (Use $\pi = \frac{22}{7}$)

- Ans
- 1. 22
 - 2. 23
 - 3. 24
 - 4. 25

Q.17 In what ratio must a grocer mix two varieties of pulses costing ₹60 and ₹75 per kg, respectively, so as to get a mixture worth ₹65 per kg?

- Ans
- 1. 3 : 4
 - 2. 2 : 1
 - 3. 2 : 3
 - 4. 1 : 2

Q.18 Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.



What is the difference between the expenditure (in ₹) done on Food by Sushma and Preeti?

- Ans
- 1. 1500
 - 2. 500
 - 3. 1000
 - 4. 750

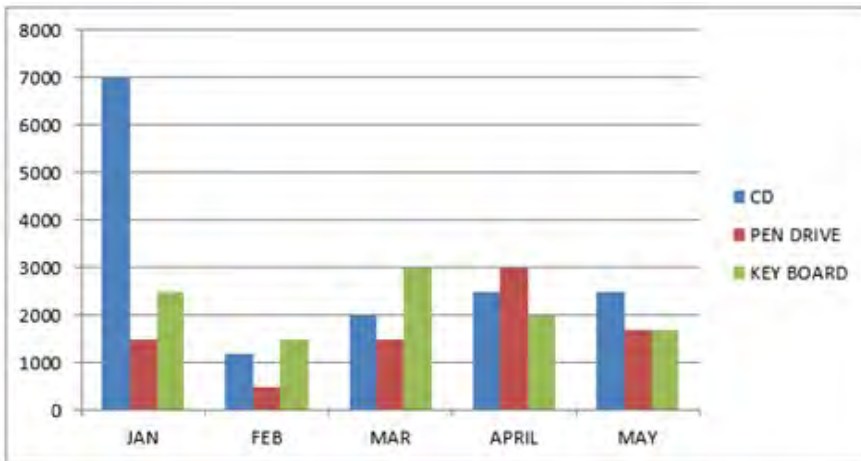
Q.19 The cost price of an item increased from ₹2,500 to ₹3,000. Find the increase percentage.

- Ans
- 1. 30%
 - 2. 20%
 - 3. 15%
 - 4. 25%

Q.20 In an election between two candidates A and B, A got 33% of total votes casted and still lost by 55,522 votes. Find the total number of votes got by B.

- Ans
- 1. 1,09,411
 - 2. 1,04,911
 - 3. 1,09,141
 - 4. 1,09,114

Q.21 The bar graph represents the production of different spare parts of computer in different months.



The ratio between the number of pen drives produced in the month of Jan, March and April is:

- Ans
- 1. 1 : 1 : 1
 - 2. 1 : 1 : 3
 - 3. 1 : 1 : 2
 - 4. 3 : 1 : 2

Q.22 Given below is the observed data of the ages of various children.

Age in years	Number of children
6	8
7	3
8	7
9	2
10	20

What is the difference between the mean and mode of the ages?

- Ans
- 1. 1.425 years
 - 2. 4.425 years
 - 3. 3.425 years
 - 4. 2.425 years

Q.23 Simplify:

$$(36 \div 6) \div 3 + (18 \div 9) \times 4 - (12 \div 6) \times (5 \div 2) =$$

- Ans
- 1. 15
 - 2. 21
 - 3. 10
 - 4. 5

Q.24 In an isosceles triangle, the angle between equal sides is 40° . The bisectors of the other two angles will intersect each other at an angle of:

- Ans
- 1. 100°
 - 2. 105°
 - 3. 120°
 - 4. 110°

Q.25 If $A : B = 3 : 7$ and $B : C = 2 : 5$, find $A : B : C$.

- Ans
- 1. $4 : 10 : 3$
 - 2. $10 : 3 : 4$
 - 3. $6 : 14 : 35$
 - 4. $4 : 3 : 10$

Q.1 Which folk music is based on the Mahabharata with Bhima portrayed as hero?

- Ans
- 1. Dandiya
 - 2. Pandavani
 - 3. Alha
 - 4. Mando

Q.2 The Indian festival of Holi comes every year in the season of:

- Ans
- 1. spring
 - 2. autumn
 - 3. summer
 - 4. winter

Q.3 Who is the author of Natyashastra?

- Ans
- 1. Prabhupada
 - 2. Patanjali
 - 3. Bharatmuni
 - 4. Panini

Q.4 In his 'Drain of Wealth' argument, who among the following stated that Britain was completely draining India?

- Ans
- 1. Badruddin Tyabji
 - 2. Lala Lajpat Rai
 - 3. Dadabhai Naoroji
 - 4. Bal Gangadhar Tilak

Q.5 How might ICT enhance the openness of e-land records?

- Ans 1. Enabling quick search and retrieval of land records
 2. Facilitating manual record updates and amendments
 3. Enforcing strict regulations on land transactions
 4. Reducing the need for land surveys and assessments

Q.6 In field hockey, _____ occurs when a player pushes the ball and raises it off the ground.

- Ans 1. bully
 2. slap
 3. flick
 4. centre pass

Q.7 In 2022, the National Green Tribunal advised which of the following Ministries to form a three-member panel to formulate safeguards and guidelines to be followed by the State Environment Impact Assessment Authorities?

- Ans 1. Ministry of Home Affairs
 2. Ministry of Law and Justice
 3. Ministry of Health and Family Welfare
 4. Ministry of Environment, Forest and Climate Change

Q.8 Which of the following states launched the first Migration Monitoring System in the year 2022?

- Ans 1. Maharashtra
 2. Karnataka
 3. Kerala
 4. Goa

Q.9 Who is known as the 'Father of Carnatic Music'?

- Ans 1. Vidyaranya
 2. Purandara Dasa
 3. Thirunal Rama Varma
 4. Vishwanath Iyer

Q.10 Writ of Mandamus is a Fundamental Right classifiable under:

- Ans 1. cultural and educational rights
 2. the right to freedom of religion
 3. constitutional remedies
 4. the right to equality

Q.11 Which country do the 'Veddas' traditional forest dwellers who foraged, hunted and lived in close-knit groups in caves in the dense jungles?

- Ans 1. Sri Lanka
 2. Nepal
 3. Myanmar
 4. Bhutan

Q.12 Which amongst the following terms was used for the land given to Brahmins during the Chola empire?

- Ans
- 1. Vellanvagai
 - 2. Shalabhoga
 - 3. Brahmadeya
 - 4. Tirunmatukkani

Q.13 How is the structure of health infrastructure and health care system in India?

- Ans
- 1. Three-tier system
 - 2. Five-tier system
 - 3. Two-tier system
 - 4. Four-tier system

Q.14 Which group of animals has a segmented spinal column together with a few primitive forms in which the backbone is represented by a notochord?

- Ans
- 1. Vertebrata
 - 2. Echinodermata
 - 3. Mollusca
 - 4. Arthropoda

Q.15 What is the name of the highest peak of the Eastern Ghats?

- Ans
- 1. Kangchenjunga
 - 2. Mahendragiri
 - 3. Khasi
 - 4. Anamudi

Q.16 Which language is known as 'Italian of the East'?

- Ans
- 1. Telugu
 - 2. Malayalam
 - 3. Marathi
 - 4. Kannada

Q.17 The method of separating a mixture of soluble solids by dissolving them in a suitable hot solvent and then lowering the temperature slowly is called:

- Ans
- 1. azeotropic distillation
 - 2. sublimation
 - 3. dephlegmation
 - 4. fractional crystallisation

Q.18 In which year did Indian archers participate in the Olympics for the first time?

- Ans
- 1. 1980
 - 2. 1973
 - 3. 1988
 - 4. 1975

Q.19 In MS Word, which option allows you to align text in a way that it appears vertically at the bottom of a cell or text box?

- Ans
- 1. Center Alignment
 - 2. Justify Alignment
 - 3. Bottom Alignment
 - 4. Distributed Alignment

Q.20 Which of the following planets does NOT have a ring around it?

- Ans
- 1. Uranus
 - 2. Saturn
 - 3. Jupiter
 - 4. Mercury

Q.21 Which of the following is NOT associated with the Industrial Policy Resolution, 1956?

- Ans
- 1. Regional equality was promoted.
 - 2. A system of licenses for the private sector was introduced.
 - 3. It classified industries into three categories.
 - 4. It formed the basis of the Third Five Year Plan.

Q.22 _____ was sworn in as Central Vigilance Commissioner on 29 May 2023.

- Ans
- 1. Arti C Srivastava
 - 2. Uday Veer Singh
 - 3. Sarvan Kumar
 - 4. Praveen Kumar Srivastava

Q.23 What is the circumference of the International Football Association Board (IFAB) approved football?

- Ans
- 1. 68 - 70 cms
 - 2. 80 - 82 cms
 - 3. 78 - 80 cms
 - 4. 70 - 72 cms

Q.24 Which of the following Articles of the Constitution of India CANNOT be amended with simple majority?

- Ans
- 1. 169
 - 2. 2
 - 3. 21
 - 4. 3

Q.25 As compared to monopolistic competition, the demand curve in a monopoly is:

- Ans
- 1. more elastic
 - 2. equally elastic
 - 3. infinitely elastic
 - 4. less elastic

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	ION Digital Zone iDZ 2 GT Karnal Road
Exam Date	01/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The given sentence is divided into four segments. Identify the segment that contains a grammatical error.

When it / come to football, / my brother is / an addict.

- Ans
- 1. When it
 - 2. come to football,
 - 3. my brother is
 - 4. an addict.

Q.2 Select the option with the correct use of article(s).

- Ans
- 1. I was rude to him when I was in the fit of rage.
 - 2. I was rude to him when I was in an fit of rage.
 - 3. I was rude to him when I was in a fit of rage.
 - 4. I was rude to him when I was in fit of rage.

Q.3 The following sentence has been divided into four segments. Identify the segment that contains an error.

Throw of / the old shoes; / nobody will wear / them now.

- Ans
- 1. nobody will wear
 - 2. Throw of
 - 3. them now.
 - 4. the old shoes;

Q.4 Select the option with the correct use of present tense.

- Ans
- 1. She had spend all her money on make-up in order to look beautiful.
 - 2. She spends all her money on make-up in order to look beautiful.
 - 3. She has spend all her money on make-up in order to look beautiful.
 - 4. She spend all her money on make-up in order to look beautiful.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During the days of slavery, there lived (1)_____ very hard-working slave. One day, (2)_____ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)_____ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)_____ were captured by the soldiers. The king ordered, "Let the runaway slave (5)_____ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

Ans 1. a

2. two

3. the

4. an

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During the days of slavery, there lived (1)_____ very hard-working slave. One day, (2)_____ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)_____ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)_____ were captured by the soldiers. The king ordered, "Let the runaway slave (5)_____ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

Ans 1. to gain

2. gained

3. gains

4. gain

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During the days of slavery, there lived (1)_____ very hard-working slave. One day, (2)_____ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)_____ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)_____ were captured by the soldiers. The king ordered, "Let the runaway slave (5)_____ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

Ans 1. roaring

2. roared

3. roar

4. roars

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During the days of slavery, there lived (1)_____ very hard-working slave. One day, (2)_____ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)_____ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)_____ were captured by the soldiers. The king ordered, "Let the runaway slave (5)_____ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. him
 2. them
 3. us
 4. her

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

During the days of slavery, there lived (1)_____ very hard-working slave. One day, (2)_____ freedom, he ran away from his masters house. As he passed a forest, he saw a lion (3)_____ with pain, for a huge thorn had pierced its paw. The slave felt sorry for the lion and took out the thorn gently. The grateful lion licked the slaves hand. But just then, both of (4)_____ were captured by the soldiers. The king ordered, "Let the runaway slave (5)_____ thrown in front of a hungry lion." But, when the slave was thrown in front of the lion, the lion licked him and quietly sat beside him. The amazed king asked the reason. The slave told the king everything. The king pardoned the slave. The lion was also freed and sent to the forest.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. been
 2. be
 3. being
 4. is

Q.10 Select the option that will improve the underlined part of the given sentence.

This win could enhance to be a historic turning point in the fortunes of the team.

- Ans 1. prove
 2. demonstrate
 3. confirm
 4. accomplish

Q.11 Select the option that will improve the underlined part of the given sentence.

Mothers have great animosity for their children.

- Ans 1. affection
 2. affectation
 3. absurdity
 4. abasement

Q.12 Identify the INCORRECTLY spelt word in the following sentence and select its correct spelling from the given options.

The committee heard that he had been negligent in his duty.

- Ans 1. dutie
 2. comittee
 3. negligent
 4. hurd

Q.13 Select the most appropriate ANTONYM of the underlined word in the given sentence.
 The organisation's furtive actions must be taken into notice and dealt with accordingly.

- Ans 1. Shady
 2. Truthful
 3. Foxy
 4. Futuristic

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.
 Sonam's cat used to chase the mouse into the kitchen and knock through a tower of pots and pans.

- Ans 1. knock over a tower of pots
 2. knock out a tower of pots
 3. knock away a tower of pots
 4. knock inside a tower of pots

Q.15 Select the most appropriate ANTONYM of the underlined word in the given sentence.
 Prajakta is a very vain girl.

- Ans 1. Hopeful
 2. Honourable
 3. Humble
 4. Honest

Q.16 There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word.

The precious bookshelf was carefully decorated with religiuos books.

- Ans 1. religiuos
 2. carefully
 3. precious
 4. decorated

Q.17 Select the most appropriate synonym of the given word.
 Titanic

- Ans 1. Deep
 2. Huge
 3. Disastrous
 4. Attractive

Q.18 Select the most appropriate idiom for the underlined segment in the following sentence.

The arrival of Pragati in the house brought disharmony among the family members.

- Ans
- 1. A cry in the wilderness
 - 2. Hair breadth
 - 3. Rift in the lute
 - 4. Tenterhooks

Q.19 Identify the most appropriate ANTONYM of the underlined word in the following sentence.

A boisterous horse must have a rough bridle.

- Ans
- 1. Loud
 - 2. Calm
 - 3. Rowdy
 - 4. Bouncy

Q.20 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Ralph's condition worsened in the hospital.

- Ans
- 1. Changed
 - 2. Scaled
 - 3. Traversed
 - 4. Improved

Q.21 Select the most appropriate meaning of the given idiom.
Cost an arm and a leg

- Ans
- 1. To be affordable
 - 2. To be moderately priced
 - 3. To be inexpensive
 - 4. To be very expensive

Q.22 Select the most appropriate ANTONYM of the given word.
Stingy

- Ans
- 1. Deceitful
 - 2. Lascivious
 - 3. Humorous
 - 4. Generous

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement required'.
I am so glad that I ran into you on the way.

- Ans
- 1. ran away
 - 2. ran over
 - 3. No improvement required
 - 4. ran out of

Q.24 Select the most appropriate synonym of the given word.

Fasten

- Ans 1. Undo
 2. Loosen
 3. Bolt
 4. Detach

Q.25 Select the most appropriate option to fill in the blank.

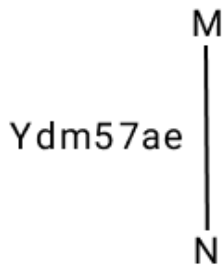
The CEO's decision to cut benefits was a _____ move.

- Ans 1. rigorous
 2. laborious
 3. humorous
 4. harsh

Q.1 If 1 January 2020 was a Wednesday, then what day of the week was it on 1 January 2021?

- Ans 1. Wednesday
 2. Thursday
 3. Tuesday
 4. Friday

Q.2 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans 1. əəʌɔpɹʌ
 2. əə57mbY
 3. əəʌɔmbY
 4. əəʌɔdmY

Q.3 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

D	2	K	X	O	V	V	X	O	K	D	2	
V	O	X	K	2	D	2	D	K	O	X	V	?

Ans

1.

D	2	K
V	O	X

2.

2	K	D
V	O	X

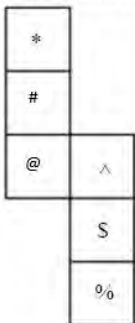
3.

D	2	K
X	V	O

4.

2	K	D
X	V	O

Q.4 What would be the symbol on the opposite side of '@' if the given sheet is folded to form a cube?



Ans 1. *

2. %

3. S

4. ^

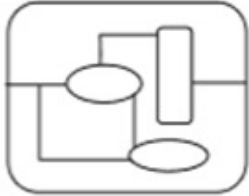
Q.5 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

Ans

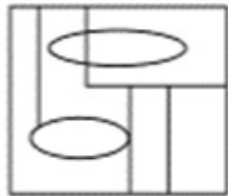
✓ 1.



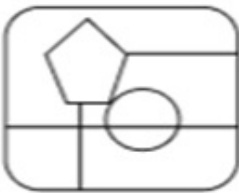
✗ 2.



✗ 3.



✗ 4.



Q.6 What should come in place of the question mark (?) in the given series?

4, 20, 100, 500, 2500, ?

Ans ✗ 1. 12700

✓ 2. 12500

✗ 3. 12600

✗ 4. 12200

Q.7 In a certain language, 'make someone happy' is written as 'Ab Te Dp' and 'someone robbed him' is written as 'Te Ko Vi'. How is 'someone' written in the given language?

Ans ✗ 1. Ko

✗ 2. Ab

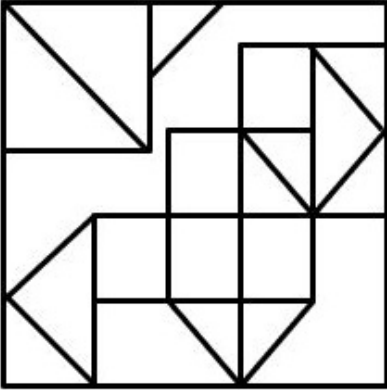
✓ 3. Te

✗ 4. Vi

Q.8 The position of how many letters will change if each of the letters in the word TROUBLEMAKING is arranged from left to right in alphabetical order?

- Ans
- 1. Eleven
 - 2. All
 - 3. Twelve
 - 4. Ten

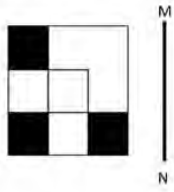
Q.9 How many triangles are there in the given figure?



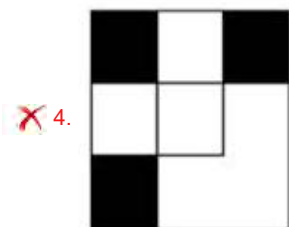
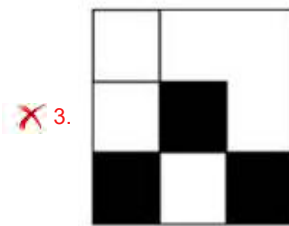
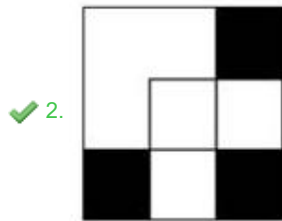
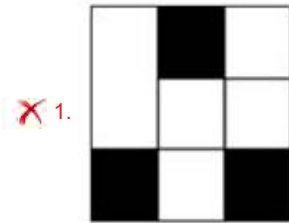
- Ans
- 1. 12
 - 2. 11
 - 3. 13
 - 4. 15

KD JOB UPDATES

Q.10 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans



Q.11 What should come in place of ? in the given series based on the English alphabetical order?

DLT ZHP VDL ? NVD

- Ans
- 1. BLV
 - 2. DNX
 - 3. CMW
 - 4. RZH

Q.12 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 217?

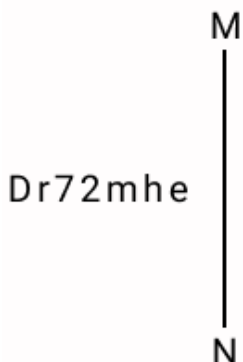
- Ans
- 1. 32 A 5 D 10 B 2 C 62
 - 2. 32 B 5 D 10 A 2 C 62
 - 3. 32 B 5 D 10 C 2 A 62
 - 4. 32 D 5 B 10 A 2 C 62

Q.13 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(59, 83, 97)
(63, 87, 101)

- Ans 1. (67, 91, 115)
 2. (71, 95, 109)
 3. (51, 65, 89)
 4. (48, 82, 96)

Q.14 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans 1. ehm72rD
 2. eh72mD
 3. eh72mD
 4. eh72mD

Q.15 FHGE is related to IKJH in a certain way based on the English alphabetical order. In the same way, HJIG is related to KMLJ. To which of the following is RTSQ related, following the same logic?

- Ans 1. TVUS
 2. UVWT
 3. VWUT
 4. UWVT

Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All watches are dials.
- All dials are phones.
- Some phones are mobiles.

Conclusions:

- (I) No watch is a phone.
- (II) Some dials are mobiles.

- Ans 1. Only conclusion II follows
 2. Only conclusion I follows
 3. None of the conclusions follow
 4. Both conclusions I and II follow

Q.17 CZ22 is related to HE33 in a certain way. In the same way, QN47 is related to VS58. To which of the following is WT7 related following the same logic?

- Ans
- 1. GA18
 - 2. GA21
 - 3. BY18
 - 4. BY21

Q.18 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. JMP
 - 2. BEI
 - 3. KNR
 - 4. SVZ

Q.19 What will come in the place of '?' in the following equation, if '×' and '÷' are interchanged?

$$18 - 2 + 12 \times 4 \div 7 = ?$$

- Ans
- 1. 30
 - 2. 45
 - 3. 49
 - 4. 37

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$209 + 2 + 14 - 120 \times 3 = ?$$

- Ans
- 1. 434
 - 2. 454
 - 3. 412
 - 4. 444

Q.21 In a certain code language,
'M & N' means 'M is the father of N',
'M@N' means 'M is the daughter of N',
'M#N' means 'M is the brother of N',
'M % N' means 'M is the mother of N'.
Based on this, how is A related to E, if 'A & B # C @ D % E'?

- Ans
- 1. Father's brother
 - 2. Son
 - 3. Father
 - 4. Brother

Q.22 In a certain code language, 'I am boy' is coded as 'it sit pit' and 'I am girl' is coded as 'sit nit it'. What is the code for 'girl' in that language?

- Ans
- 1. it
 - 2. sit
 - 3. nit
 - 4. pit

Q.23 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

_ n p _ r r _ p _ m m _ p q _ r q _ n m _ n p _ r r q _ n m

- Ans
- 1. mqqnrpmqp
 - 2. mqqnrpmqp
 - 3. mrqnrmpqp
 - 4. mqqrnpmqp

Q.24 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

64 : 512 :: 169 : ? :: 225 : 3375

- Ans
- 1. 1026
 - 2. 872
 - 3. 1852
 - 4. 2197

Q.25 What should come in place of '?' in the given series?

21 60 177 528 1581 ?

- Ans
- 1. 4570
 - 2. 4892
 - 3. 4636
 - 4. 4740

Q.1 A robber steals a bag from a man at 5 p.m. and starts running at 10 km/h. A policeman is informed about the robber at 5:12 p.m. and he chases him on a cycle at 15 km/h. At what time is the robber caught by the policeman?

- Ans
- 1. 5:36 p.m.
 - 2. 5:48 p.m.
 - 3. 5:40 p.m.
 - 4. 5:12 p.m.

Q.2 Study the given table and answer the question that follows.

The table shows the results of half-yearly and annual examinations of three sections A, B, C of class X students in a school.

Result	Number of students		
	Section A	Section B	Section C
Students failed in both exams	39	20	12
Students failed in half-yearly but passed in annual exams	16	14	6
Students passed in half-yearly but failed in annual exams	10	12	8
Students passed in both exams	65	45	35

Find the failed percentage of section C in at least one of the two examinations.

- Ans
- 1. 30.81%
 - 2. 42.62%
 - 3. 10.42%
 - 4. 38.23%

Q.3 Diagonals of a trapezium ABCD with $AB \parallel DC$, intersect each other at the point 'O'. If $AB = 2.5CD$, find the ratio of the area of triangle AOB to the area of triangle COD.

- Ans
- 1. 16:1
 - 2. 25:4
 - 3. 9:2
 - 4. 5:2

Q.4 If the side of a cube is 3, which of the following options is equal to the ratio between the surface area and the volume of the cube?

- Ans
- 1. 2:3
 - 2. 2:1
 - 3. 2:5
 - 4. 2:7

Q.5 Find the lowest positive value of $(c - b)$ such that the 7-digit number 1738b9c is divisible by 12.

- Ans
- 1. 4
 - 2. 7
 - 3. 1
 - 4. 2

Q.6 The population of a city was 5000000 in 2020. The population grows 7.5% annually. The population in 2022 is _____.

- Ans
- 1. 5558875
 - 2. 5887125
 - 3. 5875215
 - 4. 5778125

Q.7 Successive division of a number by 2, 3, 5 and 7 gives remainders 1,4,0 and 5, respectively. What will be the sum of the remainders if the same number is divided by 7, 5,3 and 2 successively?

- Ans
- 1. 17
 - 2. 8
 - 3. 10
 - 4. 9

Q.8 The surface area of a sphere is 2464 cm^2 . Find its volume.

- Ans
- 1. $13121 \frac{1}{3} \text{ cm}^3$
 - 2. $11498 \frac{2}{3} \text{ cm}^3$
 - 3. $11892 \frac{2}{3} \text{ cm}^3$
 - 4. $11621 \frac{1}{3} \text{ cm}^3$

Q.9 Sumit's income in 2020 was ₹21,000. He gets an increment of 10% every year. What was his income in 2022?

- Ans
- 1. ₹29,100
 - 2. ₹26,530
 - 3. ₹25,410
 - 4. ₹23,100

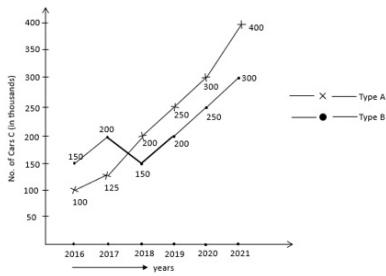
Q.10 If the selling price of 40 articles is equal to the cost price of 50 articles, then the percentage gain is:

- Ans
- 1. 20%
 - 2. 35%
 - 3. 25%
 - 4. 30%

Q.11 One company is offering a 25% discount on a particular product. Anurag visited a store. He was trying to find a deal that would allow him to save at least ₹390. How many minimum items should he purchase if each item costs ₹340?

- Ans
- 1. 4
 - 2. 7
 - 3. 6
 - 4. 5

Q.12 The following graph shows the production (in thousands) of two types (A and B) of cars by a company over the years 2016 to 2021.



The ratio of the total production of type A cars to type B cars over the years is:

- Ans**
- 1. 11 : 10
 - 2. 10 : 21
 - 3. 10 : 11
 - 4. 21 : 10

Q.13 The simple interest on the sum for 12 years is three-fifth of the sum. The rate of interest per annum is:

- Ans**
- 1. 3%
 - 2. 6%
 - 3. 4%
 - 4. 5%

Q.14 In an election, a candidate secured 41% of the votes polled and lost the election by 97,632. What is the number of votes obtained by the winning candidate?

- Ans**
- 1. 542400
 - 2. 320016
 - 3. 360072
 - 4. 222384

Q.15 $12 \sin^2 A + 2 \cos^2 A = 7$, where $0 < A < 180^\circ$. Then $\cot A$ is:

- Ans**
- 1. $\pm \frac{1}{\sqrt{2}}$
 - 2. ± 1
 - 3. $\pm \frac{1}{\sqrt{3}}$
 - 4. $\pm \frac{1}{2}$

Q.16 Fifteen persons working 12 hours a day earn ₹18,000 per week. How many rupees will 18 persons working 9 hours a day earn per week?

- Ans**
- 1. ₹16,020
 - 2. ₹16,200
 - 3. ₹12,060
 - 4. ₹12,600

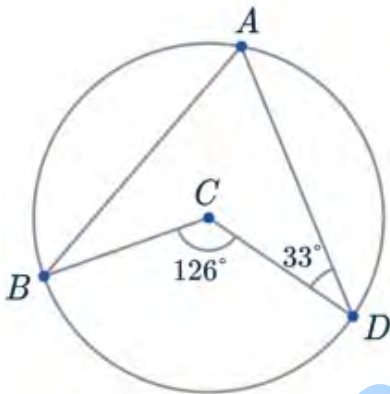
Q.17 M varies inversely as $(N^2 + 3)$. If $M = 3$ when $N = 3$, then what will be the value of M when $N^2 = 69$?

- Ans
- 1. 1
 - 2. $\frac{1}{4}$
 - 3. $\sqrt{69}$
 - 4. $\frac{1}{2}$

Q.18 The difference between two numbers is 48. The ratio of these two numbers is 7 : 3. What is the sum of the two numbers?

- Ans
- 1. 110
 - 2. 100
 - 3. 90
 - 4. 120

Q.19 Given is a circle with centre at C. A, B and D are the points on the circumference. Find $\angle ABC$.

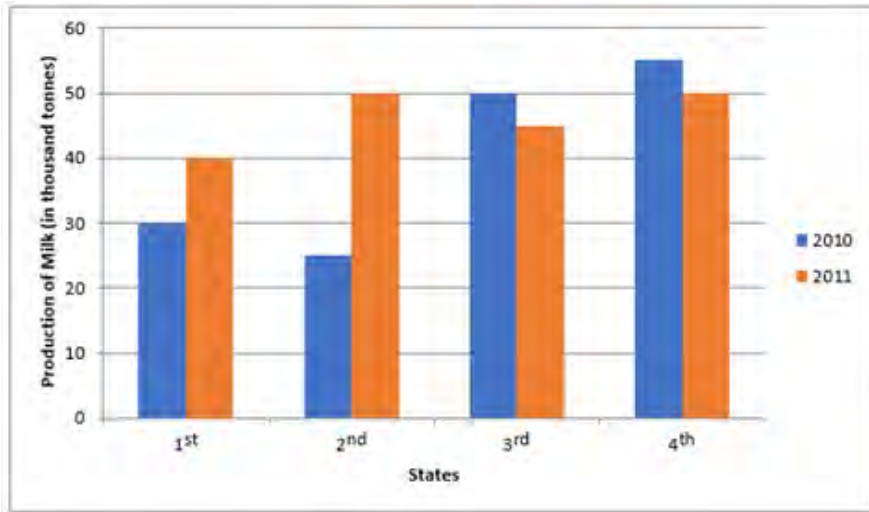


- Ans
- 1. 37°
 - 2. 33°
 - 3. 35°
 - 4. 30°

Q.20 Which of the following are the sides of a right-angled triangle?

- Ans
- 1. 16 cm, 31 cm, 34 cm
 - 2. 12 cm, 16 cm, 20 cm
 - 3. 6 cm, 7 cm, 10 cm
 - 4. 5 cm, 11 cm, 13 cm

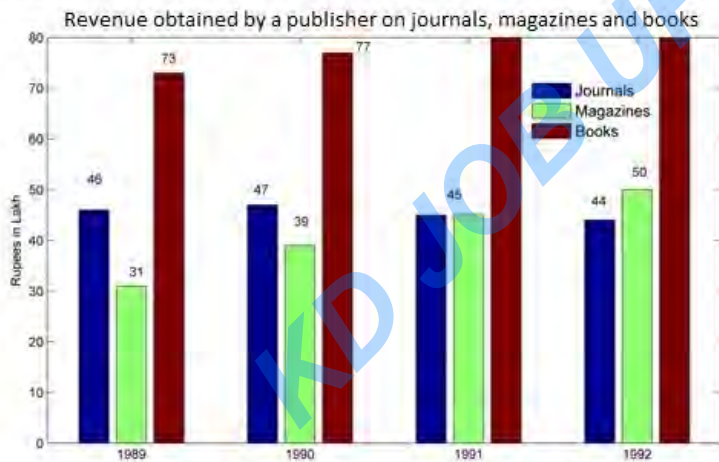
Q.21 The following graph shows the production of milk in 4 states in 2010 and 2011.



The difference between the average production (in thousand tonnes) for all state in both years is:

- Ans
- 1. 7.25
 - 2. 6.25
 - 3. 6.75
 - 4. 7.75

Q.22 Answer the following question on the basis of the bar graph given.



Which year shows the highest change in the revenue obtained from magazines?

- Ans
- 1. 1989
 - 2. 1990
 - 3. 1991
 - 4. 1992

Q.23 There are 12 workers in an office and the average age of all the workers is $35\frac{1}{2}$ years. A new worker joins the office, the average becomes 37 years. The current age of the newly joined worker is:

- Ans
- 1. $57\frac{1}{2}$ years
 - 2. $47\frac{1}{2}$ years
 - 3. 55 years
 - 4. $55\frac{1}{2}$ years

Q.24 Two circles of radius 7 units each, intersect in such a way that the common chord is of length 7 units. What is the common area in square units of the intersection?

- Ans
- 1. $98\left(\frac{\pi}{6} - \frac{\sqrt{3}}{3}\right)$
 - 2. $98\left(\frac{\pi}{3} - \frac{\sqrt{3}}{4}\right)$
 - 3. $98\left(\frac{\pi}{6} - \frac{\sqrt{3}}{6}\right)$
 - 4. $98\left(\frac{\pi}{6} - \frac{\sqrt{3}}{4}\right)$

Q.25 Find the diameter of a spherical ball whose volume is 38.808 cm^3 . (Use $\pi = \frac{22}{7}$)

- Ans
- 1. 4.8 cm
 - 2. 4.4 cm
 - 3. 4.6 cm
 - 4. 4.2 cm

Q.1 Mewar festival is celebrated during the _____ festival at Udaipur

- Ans
- 1. Gangaur
 - 2. Teej
 - 3. Dusshera
 - 4. Holi

Q.2 Which of the following Articles prohibits traffic in human beings and forced labour?

- Ans
- 1. Article 25
 - 2. Article 23
 - 3. Article 22
 - 4. Article 28

Q.3 If there is a fall in the demand of a good, the equilibrium price is expected to:

- Ans 1. first rise, and then fall sharply
 2. fall
 3. Rise
 4. neither fall nor rise

Q.4 In which country is the 'Kachin Manaw Festival' celebrated?

- Ans 1. Myanmar
 2. Maldives
 3. Sri Lanka
 4. Nepal

Q.5 The zone separating the troposphere from the stratosphere is called the _____.

- Ans 1. Tropopause
 2. stratospause
 3. Stratomerge
 4. Tropomerge

Q.6 Correctly match the following.

Type of Industries	Name of Company
1. Public sector	a. Tata Iron and Steel Company
2. Private sector	b. Bharat Heavy Electricals Limited
3. Joint sector	c. Oil India Ltd

- Ans 1. 1-c, 2-b, 3-a
 2. 1-b, 2-c, 3-a
 3. 1-b, 2-a, 3-c
 4. 1-a, 2-b, 3-c

Q.7 Which of the following is more important to promote modernisation and overall prosperity of a country?

- Ans 1. Stable unemployment
 2. Stable import
 3. Stable employment
 4. Stable export

Q.8 After independence, the Census Act was enacted in India in the year _____.

- Ans 1. 1960
 2. 1962
 3. 1955
 4. 1948

Q.9 Which sub-division of Himalayas are famous for Karewa formations?

- Ans
- 1. Sikkim Himalayas
 - 2. Arunachal Himalayas
 - 3. Uttarakhand Himalayas
 - 4. Kashmir Himalayas

Q.10 Which technology is associated with providing high-speed wireless data transmission for mobile devices?

- Ans
- 1. GPS
 - 2. Wi-Max
 - 3. GPRS
 - 4. LTE

Q.11 On 31 October 1940, who among the following was arrested for offering individual Satyagraha to protest against India's forced participation in Second World War?

- Ans
- 1. Sardar Vallabhbhai Patel
 - 2. Saifuddin Kitchlew
 - 3. Jawaharlal Nehru
 - 4. Subhas Chandra Bose

Q.12 Which organisation launched the Indian Customs Compliance Information Portal (CIP) for providing free access to information on all Customs procedures and regulatory compliance for nearly 12,000 Customs Tariff items in the year 2021?

- Ans
- 1. Central Board for Direct Taxes
 - 2. Central Board for Indirect Taxes & Customs
 - 3. Directorate of Enforcement
 - 4. Income Tax Settlement Commission

Q.13 Of the football clubs listed below, which is the oldest in India?

- Ans
- 1. Bombay FC
 - 2. FC Kochin
 - 3. Madras FC
 - 4. Calcutta FC

Q.14 Folk songs in _____ are called Raganis.

- Ans
- 1. Haryana
 - 2. Uttar Pradesh
 - 3. Bihar
 - 4. Madhya Pradesh

Q.15 In which event at the 2023 U-20 Asian Athletics Championships did Siddharth Choudhary win a gold medal for India?

- Ans
- 1. Triple jump
 - 2. Shot put
 - 3. Hammer throw
 - 4. Discus throw

Q.16 Mayadhar Raut is an exponent of the Indian classical dance form _____.

- Ans**
- 1. Kathak
 - 2. Bharatnatyam
 - 3. Odissi
 - 4. Kuchipudi

Q.17 Who among the following was the founder of 'Vikramshila Vishwavidyalaya'?

- Ans**
- 1. Mahipala I
 - 2. Dharmapala
 - 3. Ramapala
 - 4. Govindapala

Q.18 Who wrote the Indian patriotic song, 'Sare Jahan se acchha, Hindustan hamara'?

- Ans**
- 1. Mahatma Gandhi
 - 2. Ishwar Chandra Vidyasagar
 - 3. Rabindranath Tagore
 - 4. Mohammad Iqbal

Q.19 Which of the following Articles of the Constitution of India deal with citizenship?

- Ans**
- 1. Article 5 – 11
 - 2. Article 12 – 18
 - 3. Article 10 – 17
 - 4. Article 8 – 15

Q.20 Who discovered the atomic number based on X-ray wavelength in 1913?

- Ans**
- 1. RA Millikan
 - 2. Henry Moseley
 - 3. Dmitri Mendeleev
 - 4. AEB de Chancourtois

Q.21 In January 2023, Captain Shiva Chouhan was in the news for being the first women officer to be deployed at which battlefield?

- Ans**
- 1. Kargil
 - 2. Leh
 - 3. Dras
 - 4. Siachen

Q.22 Symmetric encryption is also known as:

- Ans**
- 1. public-key encryption
 - 2. hybrid encryption
 - 3. conventional encryption
 - 4. asymmetric encryption

Q.23 Which of the following is NOT a domestic cricket tournament organised by the Board of Control for Cricket in India (BCCI) in India?

- Ans
- 1. Vizzy Trophy
 - 2. ZR Irani Cup
 - 3. Super Fours
 - 4. Ranji Trophy

Q.24 Mendel proposed the law of independent assortment on the basis of _____.

- Ans
- 1. dihybrid crosses
 - 2. Monohybrid crosses
 - 3. genes
 - 4. alleles

Q.25 April 2023, the Maharashtra government has approved how much percentage of reservation for Divyang employees in promotions?

- Ans
- 1. 3%
 - 2. 5%
 - 3. 4%
 - 4. 2%

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	B.S.M. College of Engineering
Exam Date	02/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
He organises / a children's fair every year / and his friends comes / to attend it.

- Ans 1. to attend it.
 2. and his friends comes
 3. He organises
 4. a children's fair every year

Q.2 The following sentence has been divided into four segments. Identify the segment that contains an error.

They have decided / to wind out / their business / without delay.

- Ans 1. They have decided
 2. to wind out
 3. their business
 4. without delay.

Q.3 Select the option that corrects the following sentence.
All the workers have called of the strike.

- Ans 1. All the workers have called between the strike.
 2. All the workers have called off the strike.
 3. All the workers have called through the strike.
 4. All the workers have called at the strike.

Q.4 The underlined phrase in the given sentence has been used incorrectly. Select the option that can correctly replace the underlined segment.

Samita asked out a favour of going early today.

- Ans 1. asked for
 2. asked over
 3. asked around
 4. asked after

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(1)_____ health benefits, including protection from cardiovascular disease and cancer, have been (2)_____ to antioxidants; however, according to dietitian Vinson, these benefits depend on how well antioxidants are absorbed and (3)_____ by the body. According to the study, coffee has more antioxidant power than other well-known foods and drinks, like tea, milk, chocolate, and cranberries. Dates had the highest antioxidants per serving out of all the foods and drinks (4)_____, but because dates are not consumed to the same extent as coffee, the latter comes out on (5)_____, according to Vinson.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. Limited
 2. Countable
 3. Few
 4. Numerous

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(1)_____ health benefits, including protection from cardiovascular disease and cancer, have been (2)_____ to antioxidants; however, according to dietitian Vinson, these benefits depend on how well antioxidants are absorbed and (3)_____ by the body. According to the study, coffee has more antioxidant power than other well-known foods and drinks, like tea, milk, chocolate, and cranberries. Dates had the highest antioxidants per serving out of all the foods and drinks (4)_____, but because dates are not consumed to the same extent as coffee, the latter comes out on (5)_____, according to Vinson.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. negative
 2. attributed
 3. similar
 4. parallel

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(1)_____ health benefits, including protection from cardiovascular disease and cancer, have been (2)_____ to antioxidants; however, according to dietitian Vinson, these benefits depend on how well antioxidants are absorbed and (3)_____ by the body. According to the study, coffee has more antioxidant power than other well-known foods and drinks, like tea, milk, chocolate, and cranberries. Dates had the highest antioxidants per serving out of all the foods and drinks (4)_____, but because dates are not consumed to the same extent as coffee, the latter comes out on (5)_____, according to Vinson.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. rejected
 2. utilised
 3. impede
 4. hinder

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(1)_____ health benefits, including protection from cardiovascular disease and cancer, have been (2)_____ to antioxidants; however, according to dietitian Vinson, these benefits depend on how well antioxidants are absorbed and (3)_____ by the body. According to the study, coffee has more antioxidant power than other well-known foods and drinks, like tea, milk, chocolate, and cranberries. Dates had the highest antioxidants per serving out of all the foods and drinks (4)_____, but because dates are not consumed to the same extent as coffee, the latter comes out on (5)_____, according to Vinson.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. synthesised
 2. assimilated
 3. analysed
 4. consumed

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(1)_____ health benefits, including protection from cardiovascular disease and cancer, have been (2)_____ to antioxidants; however, according to dietitian Vinson, these benefits depend on how well antioxidants are absorbed and (3)_____ by the body. According to the study, coffee has more antioxidant power than other well-known foods and drinks, like tea, milk, chocolate, and cranberries. Dates had the highest antioxidants per serving out of all the foods and drinks (4)_____, but because dates are not consumed to the same extent as coffee, the latter comes out on (5)_____, according to Vinson.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. top
 2. bottom
 3. below
 4. lowest

Q.10 Select the INCORRECTLY spelt word.

- Ans 1. stationery
 2. marijuana
 3. lascivious
 4. dictator

Q.11 Select the most appropriate ANTONYM of the underlined word in the sentence.
 He laboured very hard but could not yield anything from the barren piece of land.

- Ans 1. Fruitless
 2. Sterile
 3. Fertile
 4. Vile

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

A soldier of the tenth legion leaped into the water as soon as the ship touches the shore.

- Ans 1. the ship touched the shore
 2. the ship touch the shore
 3. No substitution required
 4. the ship was touch the shore

Q.13 Select the most appropriate synonym of the given word.
Competent

- Ans 1. Dumb
 2. Unskilled
 3. Chatty
 4. Qualified

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The dearth of governmental policies on the basic rights and comforts of the impaired population leads to low standard of public life in a country.

- Ans 1. Lacunae
 2. Abundance
 3. Brevity
 4. Paucity

Q.15 Select the most appropriate synonym of the given word.
Wonderful

- Ans 1. Synthetic
 2. Amazing
 3. Awful
 4. Upright

Q.16 Select the most appropriate connotation to fill in the blank.
I always love the _____ of my mother's cooking.

- Ans 1. perfume
 2. stench
 3. aroma
 4. scent

Q.17 Select the most appropriate ANTONYM of the given word.
Enemy

- Ans 1. Attacker
 2. Colleague
 3. Combatant
 4. Friend

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

We feel warm on the subject

- Ans
- 1. warmly about
 - 2. warmed on
 - 3. warmer on
 - 4. warming about

Q.19 Select the most appropriate ANTONYM of the underlined word.

My parents have a fertile land in the backyard.

- Ans
- 1. Timid
 - 2. Potent
 - 3. Barren
 - 4. Scanty

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The plum tree in our garden is cover in blossoms, as are the trees outside my office window.

- Ans
- 1. is covering at
 - 2. is covered in
 - 3. are cover at
 - 4. No substitution required

Q.21 Read the given sentence carefully. Change the meaning of the sentence by replacing the underlined word with its ANTONYM from the following options.

The equivocal tone of the Prime Minister in his speech caused uproar in the chamber.

- Ans
- 1. iffy
 - 2. conflicting
 - 3. irresolute
 - 4. explicit

Q.22 Select the most appropriate meaning of the given idiom.

Put in mind

- Ans
- 1. To forget
 - 2. To understand
 - 3. To calculate
 - 4. To remind

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The dictator ordered the traitor were jailed.

- Ans
- 1. might
 - 2. is
 - 3. was
 - 4. to be

Q.24 Select the most appropriate meaning of the given idiom.

Dog eat dog

- Ans 1. Like-minded people connect better
 2. Tit for tat
 3. Being calculative
 4. Ruthlessly competitive

Q.25 Select the correctly spelt word.

- Ans 1. Illuseon
 2. Illuzion
 3. Illusion
 4. Ilusion

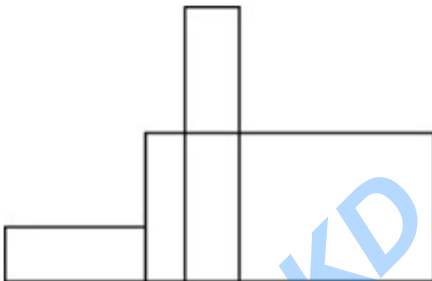
Q.1 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Plain : Austere

- Ans 1. Lonely : Gloomy
 2. Neutral : Detached
 3. Abandon : Barren
 4. Clean : Sterile

Q.2 What is the maximum number of rectangles in the given figure?



- Ans 1. 12
 2. 9
 3. 10
 4. 8

Q.3 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All journals are books.

Some books are fans.

All fans are wood.

Conclusion (I): Some journals are wood.

Conclusion (II): Some fans are books.

- Ans**
- 1. Only conclusion (I) follows.
 - 2. Neither conclusion (I) nor (II) follows.
 - 3. Both conclusions (I) and (II) follow.
 - 4. Only conclusion (II) follows.

Q.4 The position of how many letters will remain unchanged if each of the letters in the word 'ABDUCTS' is arranged in English alphabetical order?

- Ans**
- 1. Two
 - 2. Four
 - 3. More than four
 - 4. Three

Q.5 If 9 March 2007 was Friday, then what was the day of the week on 13 March 2012?

- Ans**
- 1. Wednesday
 - 2. Monday
 - 3. Thursday
 - 4. Tuesday

Q.6 'A × B' means 'A is B's brother'.

'A ÷ B' means 'A is B's sister'.

'A + B' means 'A is B's father'.

'A - B' means 'A is B's mother'.

Using the same meaning of the mathematical operators as given above, which of the following means 'X is Z's mother's father'?

- Ans**
- 1. $X + Y \times Z$
 - 2. $X + Y - Z$
 - 3. $X \times Y + Z$
 - 4. $X - Y + Z$

Q.7 In a certain code language, 'MONEY' is coded as '64381' and 'HONEY' is coded as '54381'. What is the code for 'H' in that language?

- Ans**
- 1. 4
 - 2. 6
 - 3. 8
 - 4. 5

Q.8 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

P	4	↑	P	V	↑	P	V	
↑			4		P		↑	?
△	V	3	3	△	V	4	L	3
							3	4
							L	

Ans

1.

3		P
	4	
L	=	V

2.

V		L
	4	
P	↑	3

3.

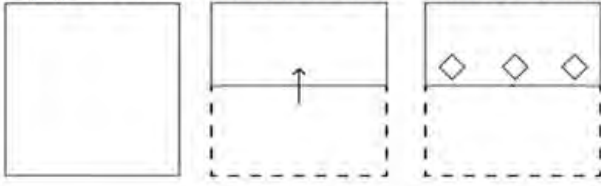
L		P
	V	
↑	=	3

4.

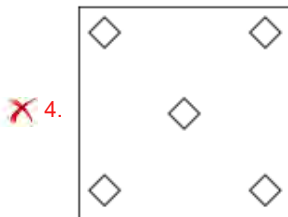
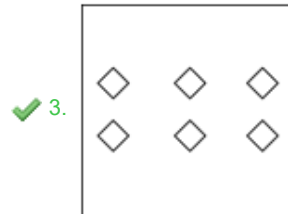
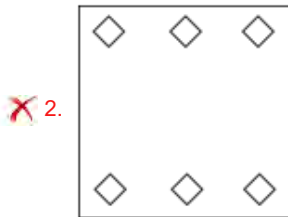
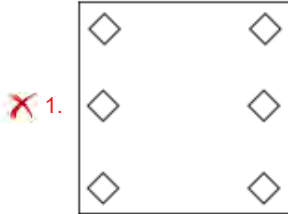
L		P
	V	
↑	3	4

KD JOB UPDATES

Q.9 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



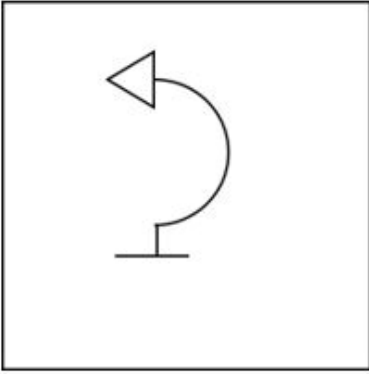
Q.10 What should come in place of the question mark (?) to complete the following letter-cluster series?
BDC, EGF, HJI, ?

- Ans
- 1. KLN
 - 2. KLM
 - 3. LMN
 - 4. KML

Q.11 What should come in place of the question mark (?) in the given series?
131, 263, 527, 1055, ?

- Ans
- 1. 1121
 - 2. 1211
 - 3. 2111
 - 4. 2121

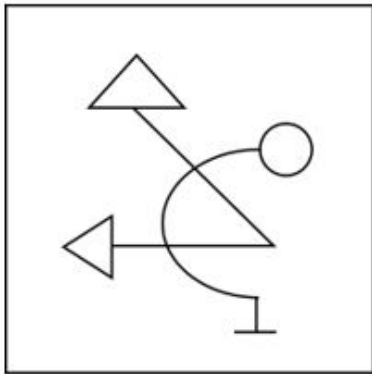
Q.12 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



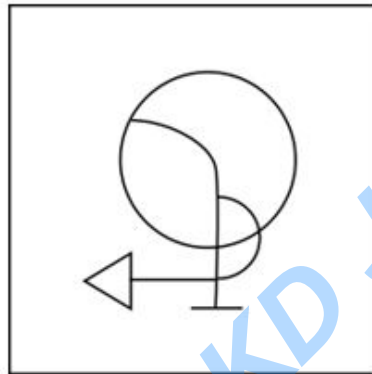
(X)

Ans

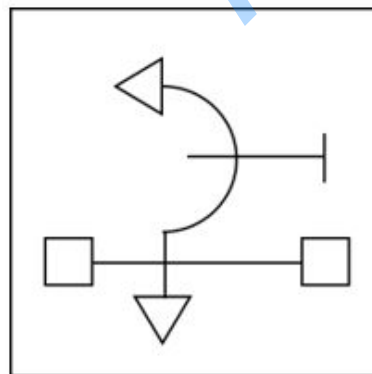
✗ 1.

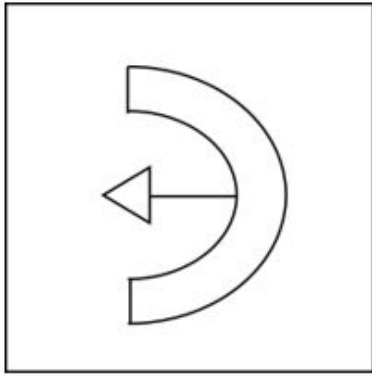


✗ 2.



✓ 3.





4.

Q.13 Which of the following numbers will replace the question mark (?) in the given series?

6, 16, 36, 76, ?, 316

Ans 1. 152

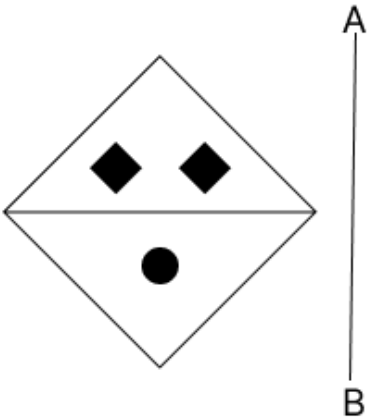
2. 168

3. 146

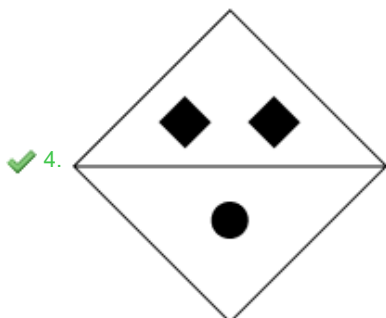
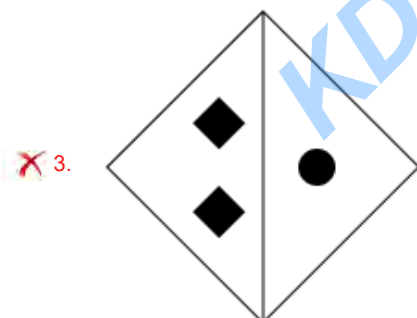
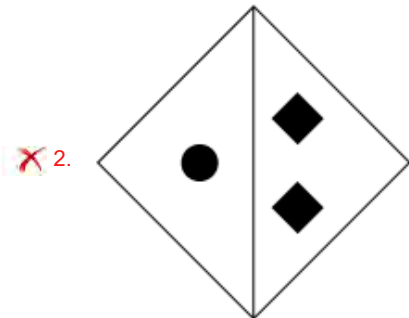
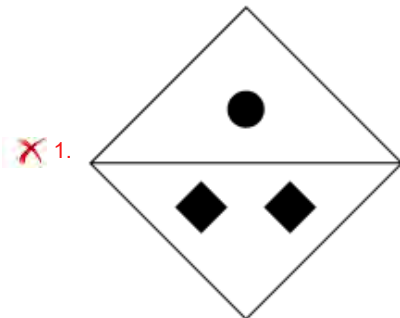
4. 156

KD JOB UPDATES

Q.14 Select the correct mirror image of the given figure when the mirror is placed at AB as shown below.



Ans



Q.15 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$80 + 18 \times 3 + 5 - 23 = ?$$

- Ans**
- 1. 80
 - 2. 88
 - 3. 85
 - 4. 73

Q.16 What should come in place of the question mark (?) in the given series?

8, 21, 34, 47, 60, ?

- Ans**
- 1. 71
 - 2. 72
 - 3. 70
 - 4. 73

Q.17 Which two numbers should be interchanged to make the given equation correct?

$$45 \div 3 + 12 \times 9 - 15 + 2 \times 5 = 36$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans**
- 1. 3 and 9
 - 2. 2 and 9
 - 3. 5 and 3
 - 4. 12 and 5

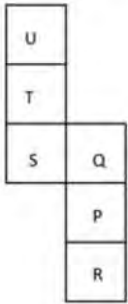
Q.18 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

PTL : NRJ

AEX : YCV

- Ans**
- 1. BTM : DVO
 - 2. ABC : ZTS
 - 3. TVN : RTL
 - 4. GIF : FIG

Q.19 What would be the letter on the opposite side of 'R' if the given sheet is folded to form a cube?



- Ans
- 1. S
 - 2. U
 - 3. Q
 - 4. T

Q.20 5 is related to 27 by certain logic. Following the same logic, 7 is related to 51. To which of the following is 4 related, following the same logic?
 (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 64
 - 2. 37
 - 3. 15
 - 4. 18

Q.21 In a certain code language, 'art of war' is coded as 'gb pr ml' and 'the lost art' is coded as 'ml sj ak'. How is 'art' coded in the given language?

- Ans
- 1. ak
 - 2. gb
 - 3. pr
 - 4. ml

Q.22 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
 (6, 12, 3)
 (10, 20, 5)

- Ans
- 1. (14, 28, 7)
 - 2. (14, 28, 9)
 - 3. (21, 28, 7)
 - 4. (14, 21, 7)

Q.23 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

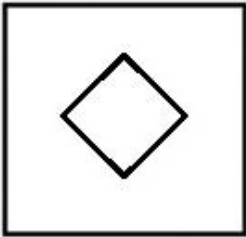
- Ans
- 1. LQO
 - 2. XCA
 - 3. PTV
 - 4. EJH

Q.24 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

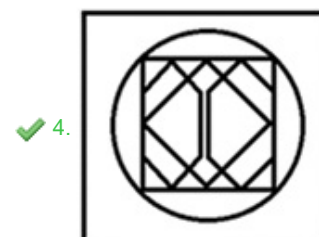
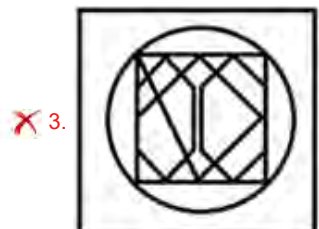
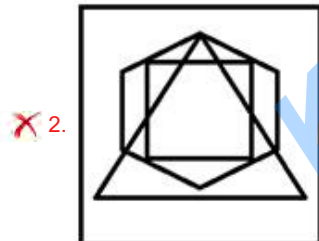
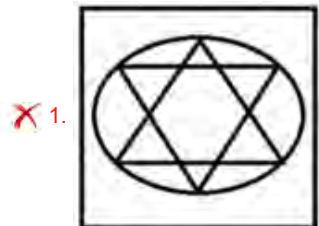
$$132 - 12 \times 17 + 3 + 27 = ?$$

- Ans
- 1. 36
 - 2. 32
 - 3. 35
 - 4. 30

Q.25 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans



Q.1 Twelve men working for 9 hours a day complete a piece of work in 24 days. In how many days can 8 men working for 12 hours a day complete the same piece of work?

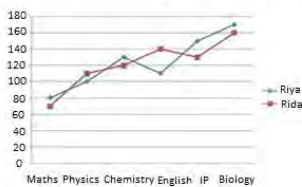
- Ans**
- 1. 28 days
 - 2. 27 days
 - 3. 24 days
 - 4. 21 days

Q.2 How much water should be added to 60 liters of milk at $1\frac{1}{2}$ liters a rupee so as to have a mixture worth $1\frac{7}{8}$ liters a rupee?

- Ans**
- 1. 15 liters
 - 2. 20 liters
 - 3. 27 liters
 - 4. 12 liters

Q.3 Study the following line graph carefully and answer the question below.

Given graph represents marks obtained by Riya and Rida in six subjects of 12th exam of CBSE. Maximum marks in Maths, Physics and Chemistry is 140 whereas maximum marks in English, IP and Biology is 180.



What is percentage marks obtained by Rida in PCM (Maths, Physics and Chemistry)?

- Ans**
- 1. 81.32%
 - 2. 50%
 - 3. 78.57%
 - 4. 71.43%

Q.4 A bank charges simple interest for ₹K at the rate of $r\frac{1}{2}$ for n^2 years. Another bank charges simple interest for ₹L at the rate of $r\frac{3}{2}$ for n^3 years and gives the same interest. The ratio between K and L is:

- Ans**
- 1. $r\frac{1}{2} : n^2$
 - 2. $\frac{1}{r} : \frac{1}{n}$
 - 3. $rn : l$
 - 4. $r^2 : n^2$

Q.5 A dozen pairs of gloves of ₹ 180 are available at a discount of 10%. How many pairs of gloves can be bought for ₹ 54?

- Ans**
- 1. 2
 - 2. 8
 - 3. 6
 - 4. 4

Q.6 A boat can travel 60km downstream in 4 hours. If the speed of the boat in still water is 13 km/h, then in what time will it cover 30 km upstream?

- Ans
- 1. $3\frac{5}{7}$ hours
 - 2. $3\frac{4}{7}$ hours
 - 3. $2\frac{4}{7}$ hours
 - 4. $2\frac{8}{11}$ hours

Q.7 If the diameter of a hemisphere is 21 cm, then the curved surface area (in cm^2) of the hemisphere is:

Take $\pi = \frac{22}{7}$

- Ans
- 1. 639
 - 2. 939
 - 3. 693
 - 4. 963

Q.8 The ratio of a father's age to his son's age is 7 : 4. The product of the numbers representing their ages is 1372. The ratio of their ages after 8 years will be:

- Ans
- 1. 19 : 11
 - 2. 19 : 14
 - 3. 19 : 13
 - 4. 19 : 12

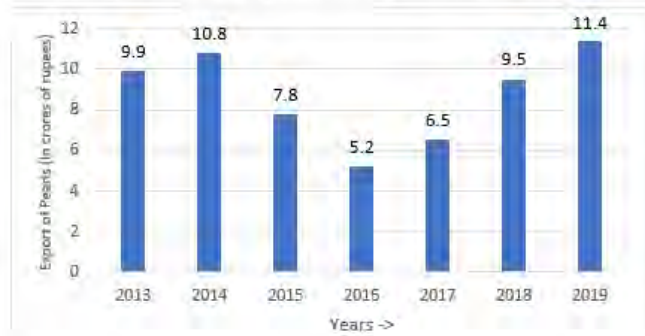
Q.9 The following table shows the production of cars in a company from 2016 to 2020.

Years	2016	2017	2018	2019	2020
A	30	23	39	25	18
B	16	10	14	12	8
C	15	18	19	25	30
D	31	12	21	19	20

There was a continuous decrease in the production of cars of which types during the period 2018 to 2020?

- Ans
- 1. B,D
 - 2. A,B
 - 3. C,D
 - 4. B,C

Q.10 Study the given bar-graph carefully and answer the question that follows.



In which year was there maximum percentage increase in the export of pearls to that in the previous year?

- Ans 1. 2018
 2. 2014
 3. 2019
 4. 2017

Q.11 During the first year the population of a village increased by 5% and during the second year it diminished by 5%. At the end of the second year its population was 47,880. What was the population at the beginning of the first year?

- Ans 1. 43500
 2. 53000
 3. 48000
 4. 45000

Q.12 The capacity of a cylinder tank is 8316 cm^3 . If the radius of its base is 21 cm, then find the depth of the tank.

- Ans 1. 6 cm
 2. 8 cm
 3. 4 cm
 4. 10 cm

Q.13 What is the value of $\cos(x + y) - \sin(x - y) + \tan(2z)$?

- Ans 1.
 $\cos x \cdot \cos y - \sin x \cdot \sin y - \sin x \cdot \cos y - \cos x \cdot \sin y + \frac{2 \tan z}{1 - \tan^2 z}$
 2. $\sin x \cdot \sin y + \frac{2 \tan z}{1 - \tan^2 z}$
 3.
 $\cos x \cdot \cos y - \sin x \cdot \sin y - \sin x \cdot \cos y + \cos x \cdot \sin y + \frac{2 \tan z}{1 - \tan^2 z}$
 4. $\cos x \cdot \cos y - \sin x \cdot \sin y - \cos x \cdot \sin y + \frac{\tan z}{1 - \tan^2 z}$

Q.14 The perimeter of a minor sector of a circle of radius 4 units subtending an angle of 45° is:

- Ans
- 1. $4 - \pi$ units
 - 2. $8 + \pi$ units
 - 3. $8 - \pi$ units
 - 4. $4 + \pi$ units

Q.15 Mahesh's annual salary increased from ₹2,00,000 to ₹2,40,000. Find the percentage increase in the salary.

- Ans
- 1. 24%
 - 2. 18%
 - 3. 20%
 - 4. 22%

Q.16 Simplify: $18 \div (7 \times 2 - 5) \times 5 \times 24 \div 30$

- Ans
- 1. 10
 - 2. 8
 - 3. 0.5
 - 4. 6

Q.17 The graphs of two linear equations, $x + 2y = 15$ and $4x + 8y = 13$ will be:

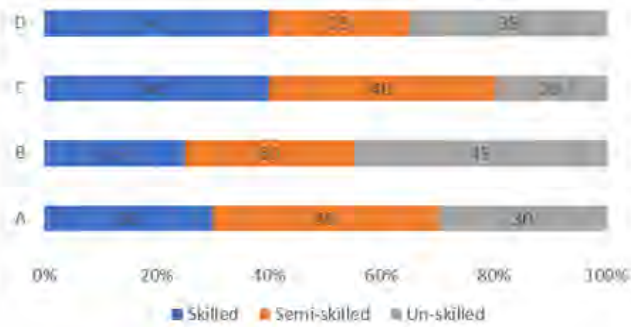
- Ans
- 1. intersecting at one point
 - 2. parallel
 - 3. intersecting at two points
 - 4. coincident

Q.18 The areas of two similar triangles ΔPQR and ΔXYZ are 12.96 cm^2 and 635.04 cm^2 , respectively. If $QR = 2.9 \text{ cm}$, then the length (in cm) of YZ equals:

- Ans
- 1. 23.2
 - 2. 25.2
 - 3. 30.4
 - 4. 20.3

Q.19 Study the given graph and select the most appropriate option to fill in the blanks. Consider the percentage of workers in three categories, Skilled, Semi-skilled and Un-skilled in four companies, A, B, C and D in the graph below.

Percentage of Workers



If all the companies have same number of total workers, then the company _____ has the highest number of Un-skilled workers and the company _____ has the lowest number of Skilled workers.

- Ans**
- 1. B; C
 - 2. B; B
 - 3. C; C
 - 4. C; B

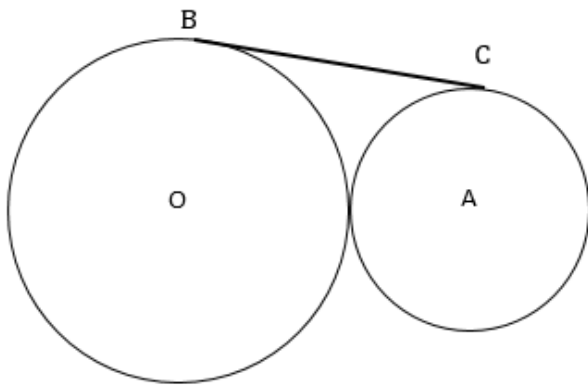
Q.20 In $\triangle ABC$, XY is drawn parallel to BC , cutting sides at X and Y , where $AB = 5.4$ cm, $BC = 7.2$ cm and $BX = 3$ cm. What is the length of XY (in cm)?

- Ans**
- 1. 3.0
 - 2. 2.8
 - 3. 4.3
 - 4. 3.2

Q.21 How many numbers lie between 2000 and 2020 that are divisible by 8?

- Ans**
- 1. 4
 - 2. 3
 - 3. 2
 - 4. 5

Q.22



[Figure is not drawn to scale.]

Two circles touch each other externally as shown in the figure above. The radius of the circle with centre O is 49 cm. The radius of the circle with centre A is 16 cm. Find the length (in cm) of their common tangent BC.

- Ans 1. 56
 2. 58
 3. 57
 4. 55

Q.23 O is the centre and the arc PQR subtends an angle of 240° at O. PQ is extended to A. Then $\angle AQR$ is:

- Ans 1. 240°
 2. 60°
 3. 120°
 4. 180°

Q.24 In a group of 250 persons, 40% are males and 60% are females. If 30 more females join the group, then what will be the percentage of females in the new group? (Correct to 2 decimal places)

- Ans 1. 90.25%
 2. 62.58%
 3. 64.29%
 4. 72.25%

Q.25 A merchant sold two refrigerators for ₹10,000 each. On one refrigerator, he incurred a 20% loss, and on the other, he gained 20%. What was his profit/loss percentage on the whole transaction?

- Ans 1. Profit of 2%
 2. Loss of 2%
 3. Loss of 4%
 4. Profit of 4%

Q.1 On which river in India was the Somasila Dam built?

- Ans
- 1. Krishna river
 - 2. Tapti river
 - 3. Pennar river
 - 4. Sabarmati river

Q.2 What is the name of the centrally sponsored scheme related with literacy that was launched by the Government of India in March 2023?

- Ans
- 1. New India Literacy Programme
 - 2. India Literacy Programme
 - 3. National Literacy Programme
 - 4. Bharat Padhega

Q.3 Which kind of computer security requires verifying the genuineness of the individuals or organisations that want to access a system?

- Ans
- 1. Authentication
 - 2. Non-repudiation
 - 3. Availability
 - 4. Confidentiality

Q.4 Which Clause of Article 20 incorporates the doctrine of double jeopardy?

- Ans
- 1. 3
 - 2. 2
 - 3. 1
 - 4. 4

Q.5 _____ is a significant festival of the Parsi people who practice Zoroastrianism as it marks the birth anniversary of Zoroaster.

- Ans
- 1. Khordad Sal
 - 2. Gahambars
 - 3. Pateti
 - 4. Jamshed-e-Navroz

Q.6 By which ministry of Government of India was the Deendayal Antyodaya Yojana started?

- Ans
- 1. Ministry of Corporate affairs
 - 2. Ministry of Rural Development
 - 3. Ministry of Home affairs
 - 4. Ministry of Labour and Employment

Q.7 According to the Census of India-2011, which state has the largest gap between male and female literacy rates?

- Ans
- 1. Andhra Pradesh
 - 2. Assam
 - 3. Rajasthan
 - 4. Karnataka

Q.8 Who among the following was appointed, to the UN tax committee in July 2021, as a member for the 2021 to 2025 term?

- Ans 1. Rasmi Ranjan Das
 2. Vivek Singh
 3. Vipul Bansal
 4. TV Somanathan

Q.9 The loss of water in the form of water droplets from leaves of plants is called ____.

- Ans 1. Translocation
 2. Plasmolysis
 3. Pressure gradient
 4. Guttation

Q.10 As per Olympic rules, in the third game, badminton players change ends when a side scores ____ points.

- Ans 1. 15
 2. 11
 3. 12
 4. 13

Q.11 How many times has India won the South Asian Football Federation (SAFF) Championship as of December 2023?

- Ans 1. 5 times
 2. 7 times
 3. 6 times
 4. 9 times

Q.12 In MS Word, which feature allows you to create different headers and footers for odd and even pages in a document?

- Ans 1. Different Odd & Even Pages
 2. Page Breaks
 3. Section Breaks
 4. Different First Page

Q.13 Which theory describes the collective effects of changes in Earth's movements on its climate over thousands of years?

- Ans 1. Milankovitch theory
 2. Copernicus' heliocentric theory
 3. Plate tectonics theory
 4. Continental drift theory

Q.14 Who is the founder of modern micro finance ?

- Ans 1. Muhammad Yunus
 2. Rangarajan
 3. YV Reddy
 4. VKV Rao

Q.15 In which year was tennis included in the Olympic games?

- Ans
- 1. 1927
 - 2. 1896
 - 3. 1935
 - 4. 1948

Q.16 How many types of writs can be issued by the Supreme Court to protect the Fundamental Rights of Indian citizens?

- Ans
- 1. Four
 - 2. Seven
 - 3. Five
 - 4. Six

Q.17 Which of the following was the last dynasty of the Vijayanagara Empire?

- Ans
- 1. Tuluva dynasty
 - 2. Saluva dynasty
 - 3. Sangam dynasty
 - 4. Aravidu dynasty

Q.18 Match the following musical instruments with the maestros who play them.

- | | |
|------------|---------------------------|
| a. Santoor | i. Bismillah Khan |
| b. Sitar | ii. Ustad Binda Khan |
| c. Shehnai | iii. Pt Shiv Kumar Sharma |
| d. Sarangi | iv. Anushka Shankar |

- Ans
- 1. a-ii, b-iii, c-i, d-iv
 - 2. a-iv, b-iii, c-ii, d-i
 - 3. a-iii, b-iv, c-i, d-ii
 - 4. a-i, b-ii, c-iii, d-iv

Q.19 Who among the following was primarily an integral part of the Indian National Army (INA)?

- Ans
- 1. Rabindranath Tagore
 - 2. Subhas Chandra Bose
 - 3. Chittaranjan Das
 - 4. Abanindranath Tagore

Q.20 PC Mahalanobis is remembered as a major contributor of India's developmental path because he _____.

- (A) set up Indian Institutes of Management located in different parts of India
- (B) formulated the Second Five-Year Plan
- (C) was the first Minister of Statistics and Programme Implementation

- Ans
- 1. Only (A) and (C) are true
 - 2. Only (B) is true
 - 3. Only (A) and (B) are true
 - 4. Only (A) is true

Q.21 A _____ is a cloud of dust and gas inside a galaxy.

- Ans
- 1. black hole
 - 2. photosphere
 - 3. nebula
 - 4. chromosphere

Q.22 In 2023, Gulab Chand Kataria became the Governor of which of the following states?

- Ans
- 1. Himachal Pradesh
 - 2. Assam
 - 3. Tamil Nadu
 - 4. Odisha

Q.23 Who among the following is a famous classical dancer?

- Ans
- 1. S Janaki
 - 2. Sonal Mansingh
 - 3. Asha Bhosle
 - 4. Pratibha Ray

Q.24 Which of the following types of crops are sown after the end of the monsoon season?

- Ans
- 1. Kharif crops
 - 2. Zaid crops
 - 3. Rabi crops
 - 4. Vital crops

Q.25 Match List-I (Name of the composition) with List-II (Writer).

List-I (Name of the Composition)		List-II (Writer)	
1.	Vande Mataram	A.	Pradeep
2.	Jana Gana Mana	B.	Bankim Chandra Chattopadhyay
3.	Ae Mere Watan Ke Logon	C.	Rabindranath Tagore

- Ans
- 1. 1-C, 2-A, 3-B
 - 2. 1-B, 2-C, 3-A
 - 3. 1-C, 2-B, 3-A
 - 4. 1-A, 2-B, 3-C

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	Akashdeep PG Girls College
Exam Date	02/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The given sentence is divided into three segments. Select the option that has the segment with a grammatical error. If there is no error, select 'No error'.
The meeting was called off / due to a medical emergency of / the manager of the company.

- Ans**
- 1. the manager of the company.
 - 2. The meeting was called off
 - 3. due to a medical emergency of
 - 4. No error

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
I noticed that they / did not went to / the museum but entered / a shopping complex.

- Ans**
- 1. the museum but entered
 - 2. did not went to
 - 3. I noticed that they
 - 4. a shopping complex.

Q.3 Select the option that corrects the following sentence.
He has broken his leg yesterday.

- Ans**
- 1. He had broke his leg yesterday.
 - 2. He have broken his leg yesterday.
 - 3. He has broke his leg yesterday.
 - 4. He broke his leg yesterday.

Q.4 The following sentence has been split into segments. Identify the segment that contains a grammatical error. If you don't find any error, mark 'No error' as your answer.
I goes to / attend dance classes at / the National Dance Academy.

- Ans**
- 1. attend dance classes at
 - 2. I goes to
 - 3. the National Dance Academy.
 - 4. No error

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)_____ a Chinese. The population of Pakistan is very (2)_____ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)_____ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)_____ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)_____ in the sex ratio, the proportion of females per 1000 males.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. either
 2. many
 3. another
 4. second

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)_____ a Chinese. The population of Pakistan is very (2)_____ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)_____ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)_____ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)_____ in the sex ratio, the proportion of females per 1000 males.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. obscure
 2. small
 3. a little
 4. much

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)_____ a Chinese. The population of Pakistan is very (2)_____ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)_____ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)_____ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)_____ in the sex ratio, the proportion of females per 1000 males.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. rents
 2. occupies
 3. lodges
 4. grasps

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)_____ a Chinese. The population of Pakistan is very (2)_____ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)_____ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)_____ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)_____ in the sex ratio, the proportion of females per 1000 males.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. average
 2. statute
 3. ordeal
 4. standard

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

If we look at the global population, out of every six persons living in this world, one is an Indian and (1)_____ a Chinese. The population of Pakistan is very (2)_____ and accounts for roughly about one-tenth of China or India. Though China is the largest nation and geographically (3)_____ the largest area among the three nations, its density is the lowest. Scholars point out the one child (4)_____ in China in the late 1970s as the major reason for low population growth. They also state that this measure led to a (5)_____ in the sex ratio, the proportion of females per 1000 males.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. diminish
 2. decline
 3. suspension
 4. failure

Q.10 Identify the most appropriate synonym of the following word.
Implicate

- Ans 1. Accuse
 2. Interrogate
 3. Complain
 4. Confuse

Q.11 Select the most appropriate homonym to fill in the blank.

_____ is a red-coloured root vegetable.

- Ans 1. Beat
 2. Beet
 3. Bit
 4. Bead

Q.12 Select the most appropriate option that can substitute the underlined words in the following sentence.

I hope you have enjoying yourselves at the party tonight!

- Ans
- 1. enjoy yourselves
 - 2. will be enjoy himself
 - 3. enjoys yourselves
 - 4. are enjoying themselves

Q.13 Select the most appropriate spelling of the underlined word in the given sentence.
The prison is euphemistically called a 'rehabilitation centre'.

- Ans
- 1. rehabilation
 - 2. rehabilition
 - 3. rehbilitation
 - 4. rehabilitation

Q.14 Select the most appropriate ANTONYM of the given word.

Lethargic

- Ans
- 1. Intelligent
 - 2. Active
 - 3. Cute
 - 4. Exhausted

Q.15 Select the most appropriate meaning of the given idiom.
Slip your mind

- Ans
- 1. Immediately think of something
 - 2. Forget about something
 - 3. Can't think of anything to say
 - 4. Think about something for a short time

Q.16 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.
The firefighter summoned all her _____ (cowardice) and rushed into the burning building.

- Ans
- 1. skills
 - 2. expertise
 - 3. courage
 - 4. erudition

Q.17 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.
The city's infrastructure was ill-equipped to handle the influx of _____ (visitors) during the peak season.

- Ans
- 1. natives
 - 2. tourists
 - 3. residents
 - 4. citizens

Q.18 Select the most appropriate option to fill in the blank.

Both the criminals were cruel and _____.

- Ans 1. brutal
 2. diligent
 3. warm
 4. sympathetic

Q.19 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Their was a large snake found in the garden last evening.

- Ans 1. There was a large snake
 2. There was not a large snake
 3. There was the larger snake
 4. Their was the larger snake

Q.20 Select the most appropriate option to fill in the blank.

I was in the _____ of a meeting when somebody called me.

- Ans 1. round
 2. middle
 3. corner
 4. centre

Q.21 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Please take many as you want.

- Ans 1. so much
 2. as much
 3. much of
 4. too much

Q.22 Select the most appropriate option that can substitute the underlined segment in the following sentence.

Rimjhim received a children's very illustrated colourful atlas on her 10th birthday.

- Ans 1. an very illustrated colourful children's atlas
 2. a very colourful illustrated children's atlas
 3. a very illustrated colourful atlas children
 4. a colourful very illustrated children's atlas

Q.23 Select the most appropriate meaning of the given idiom.

Lose heart

- Ans 1. To believe in your success
 2. To be suspicious of your success
 3. To stop believing that you can succeed
 4. To get success by believing in yourself

Q.24 Identify the incorrectly spelt word and select its correct spelling.
Wether we want to admit it or not, we all wish everyone would like us.

- Ans 1. whether
 2. addmit
 3. whither
 4. admitt

Q.25 Select the most appropriate synonym of the given word.
Pliable

- Ans 1. Rigid
 2. Probable
 3. Malleable
 4. Severe

Q.1 If 'E' stands for 'x', 'O' stands for '+', 'U' stands for '-' and 'V' stands for '÷', what will come in place of the question mark (?) in the following equation?
 $12 V 2 O 36 E 48 U 53 = ?$

- Ans 1. 1681
 2. 6234
 3. 3142
 4. 1650

Q.2 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. RVZ
 2. LPT
 3. GJN
 4. BFJ

Q.3 What will come in the place of '?' in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $21 + 23 - 46 \times 23 \div 21 = ?$

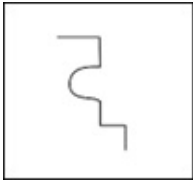
- Ans 1. 65
 2. 40
 3. 78
 4. 90

Q.4 Select the option in which the given figure is embedded (rotation is not allowed).

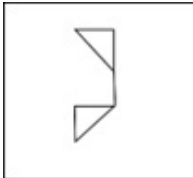


Ans

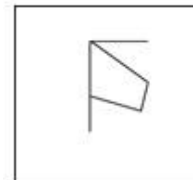
1.



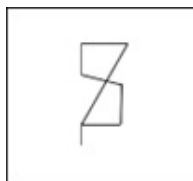
2.



3.



4.



Q.5 99 is related to 77.3 following a certain logic. Following the same logic, 84.4 is related to 62.7. To which of the following is 72.6 related, following the same logic?

Ans 1. 57.3

2. 50.9

3. 52.7

4. 54.2

Q.6 Which of the following numbers will replace the question mark (?) in the given series?

67 100 146 179 225 258 ?

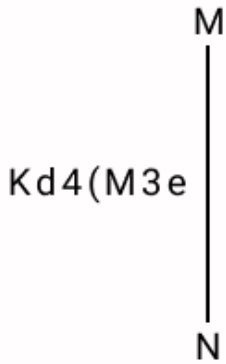
Ans 1. 304

2. 292

3. 318

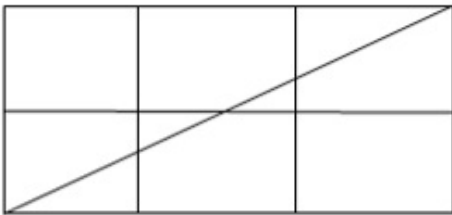
4. 325

Q.7 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. e3M)p4K
 - 2. e3M)4pK
 - 3. e3M)4pK
 - 4. e3M)4pK

Q.8 How many triangles are there in the following figure?

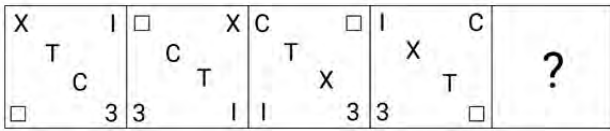


- Ans
- 1. 6
 - 2. 5
 - 3. 7
 - 4. 8

Q.9 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?
PQR, RTV, TWZ, VZD, ?

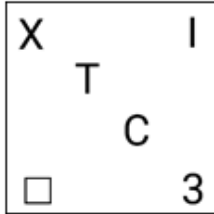
- Ans
- 1. YCZ
 - 2. OPS
 - 3. WXT
 - 4. XCH

Q.10 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

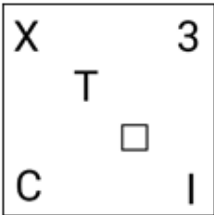


Ans

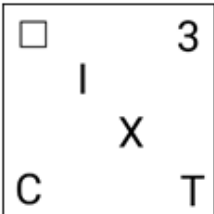
✓ 1.



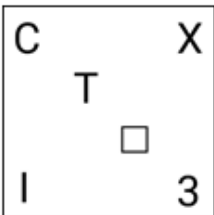
✗ 2.



✗ 3.

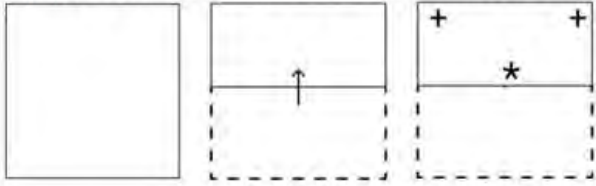


✗ 4.

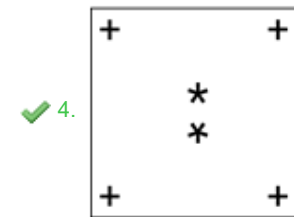
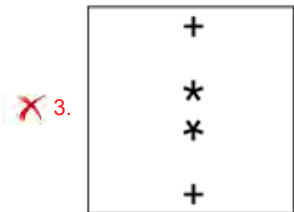
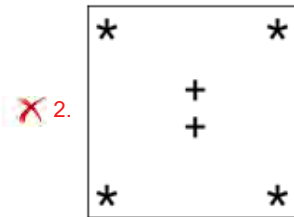
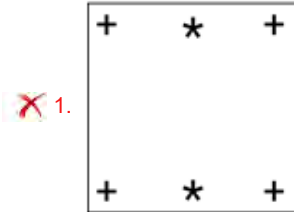


KD JOB UPDATES

Q.11 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Q.12 If the seventh day of a month is three days earlier than Friday, then what day will it be on the 20th day of the month?

- Ans
- 1. Wednesday
 - 2. Monday
 - 3. Tuesday
 - 4. Thursday

Q.13 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

44 B 5 C 68 D 144 A 4 = ?

- Ans
- 1. 250
 - 2. 252
 - 3. 254
 - 4. 256

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
YAU, DFZ, IKE, NPJ, ?

- Ans**
- 1. RUS
 - 2. SOU
 - 3. SRU
 - 4. SUO

Q.15 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(5, 7, 74)
(6, 4, 52)

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- 1. (6, 2, 52)
 - 2. (11, 5, 146)
 - 3. (9, 5, 206)
 - 4. (9, 5, 405)

Q.16 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All shirts are pants.
Some dresses are pants.
Some pants are ties.

Conclusion (I): Some dresses are ties.
Conclusion (II): Some ties are shirts.

- Ans**
- 1. Both conclusions (I) and (II) follow.
 - 2. Only conclusion (II) follows.
 - 3. Only conclusion (I) follows.
 - 4. Neither conclusion (I) nor (II) follows.

Q.17 In a certain code language,
'M & N' means 'M is the wife of N',
'M @ N' means 'M is the brother of N',
'M \$ N' means 'M is the father of N',
'M # N' means 'M is the sister of N'.
Based on this, how is D related to H, if 'D & E \$ F # G @ H'?

- Ans**
- 1. Sister
 - 2. Father's mother
 - 3. Father's sister
 - 4. Mother

Q.18 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word.)

Problem : Solution

- Ans 1. Lost : Found
 2. Time : Money
 3. Talk : Speak
 4. Success : Fame

Q.19 In a certain code language, 'love to god' is coded as 'xr od yk' and 'god bless you' is coded as 'tc ap od'. How is 'god' coded in the given language?

- Ans 1. tc
 2. ap
 3. od
 4. yk

Q.20 HF 16 is related to KI 8 in a certain way. In the same way, RP 10 is related to US 5. To which of the following is NL 6 related, following the same logic?

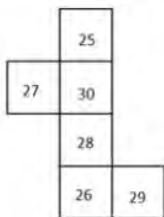
- Ans 1. LJ 3
 2. QS 2
 3. OQ 2
 4. QO 3

Q.21 What should come in place of the question mark (?) in the given series?

3977, 3877, 3777, 3677, 3577, ?

- Ans 1. 3477
 2. 3277
 3. 3333
 4. 3377

Q.22 What would be the number on the opposite side of '30' if the given sheet is folded to form a cube?



- Ans 1. 27
 2. 29
 3. 28
 4. 26

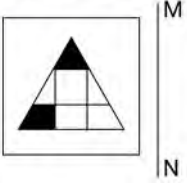
Q.23 उस शब्द-युग्म का चयन कीजिए जो नीचे दिए गए शब्दों के युग्म में व्यक्त किए गए समान संबंध का सबसे अच्छा निरूपण करता है।

(शब्दों को अर्थपूर्ण हिंदी शब्दों के रूप में माना जाना चाहिए और उन्हें शब्द में अक्षरों की संख्या/व्यंजन/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए।)

ईमानदार : भ्रष्ट

- Ans**
- 1. अपर्याप्त : दुर्लभ
 - 2. मजबूत : नाजुक
 - 3. निरीक्षण : देखना
 - 4. प्रशंसा : सम्मान

Q.24 Select the correct mirror image of the given figure when the mirror is placed at MN, as shown.



- Ans**
- 1.
 - 2.
 - 3.
 - 4.

Q.25 In a certain code language, 'no way out' is written as 'rp ab lm' and 'out of house' is written as 'mr rp bd'. How is 'out' written in the given language?

- Ans**
- 1. ab
 - 2. mr
 - 3. rp
 - 4. lm

Q.1 The simple interest on a sum of money for $1\frac{1}{2}$ years at 10% per annum is ₹30 more than the simple interest on the same sum for 1 year at 12% per annum. Find the sum.

- Ans**
- 1. ₹1,050
 - 2. ₹1,250
 - 3. ₹1,000
 - 4. ₹1,200

Q.2 The average monthly expenditure of a family was ₹2,500 during the first 4 months, ₹2,750 during the next 5 months and ₹3,550 during the last 3 months of a year. If the total saving during the year was ₹5,500, what was the average monthly income of the family?

- Ans**
- 1. ₹5,790
 - 2. ₹7,355
 - 3. ₹4,375
 - 4. ₹3,325

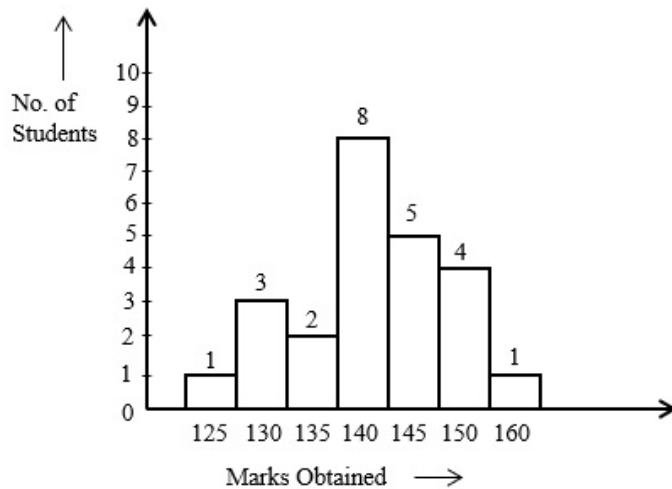
Q.3 When a number is increased by 8, it becomes 120% of itself. The number is:

- Ans**
- 1. 50
 - 2. 30
 - 3. 60
 - 4. 40

Q.4 The volume of a cube is reduced to 72.9%. By how much is the side of the cube reduced?

- Ans**
- 1. 9.5%
 - 2. 10%
 - 3. 9%
 - 4. 8.5%

Q.5 Study the given bar-graph and answer the question that follows.



How many students obtained less than the average marks of the class?

- Ans
- 1. 11
 - 2. 6
 - 3. 14
 - 4. 10

Q.6 Simplify the following expression.

$$(3 - 3 \times 3 + 3 \div 3 + 3 \times 5) \times 2 \text{ of } 5 + (2 + 2 \div 2 + 2 \times 2 - 2)$$

- Ans
- 1. 102
 - 2. 100
 - 3. 105
 - 4. 106

Q.7 If 70% of the cost price of an article is equal to 40% of its selling price, what is the profit percentage?

- Ans
- 1. 75%
 - 2. 85%
 - 3. 20%
 - 4. 45%

Q.8 What is the effective discount percentage if a shopkeeper offers a scheme discount 'buy five and get one free'?

- Ans
- 1. 15.67%
 - 2. 16.33%
 - 3. 15.33%
 - 4. 16.67%

Q.9 From the salary of a software engineer, if 15% is used as house rent, 25% of the remaining is spent on household items, 25% of the remaining as income tax, and 15% of the remaining on clothing, then he is left with ₹10,404. Find his total salary.

- Ans 1. ₹25,600
 2. ₹22,600
 3. ₹23,600
 4. ₹24,600

Q.10 The distance between the centres of two circles of radii 4 cm and 2 cm is 10 cm. The length (in cm) of a transverse common tangent is:

- Ans 1. 6
 2. 8
 3. 11
 4. 13

Q.11 If 35 is the mean proportional of 25 and x, then what is value of x?

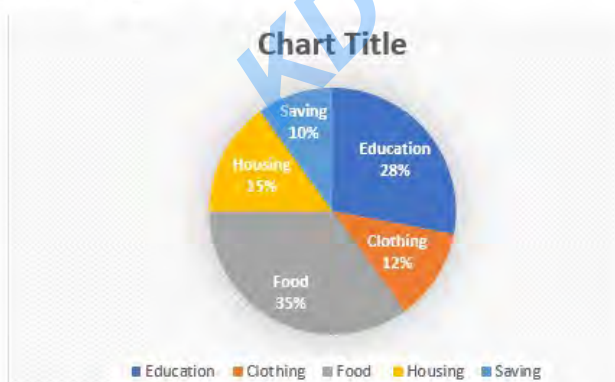
- Ans 1. 47
 2. 46
 3. 48
 4. 49

Q.12 Consider two concentric circles having radii 17 cm and 15 cm. What is the length (in cm) of the chord, of the bigger circle, which is a tangent to the smaller circle?

- Ans 1. 12
 2. 10
 3. 8
 4. 16

Q.13 Study the given pie-chart and answer the question that follows.

The pie-chart shows the monthly expenditure incurred by a family on various items and their savings.



If the total expenditure is ₹84,000, then what is the expenditure on food (in ₹)?

- Ans 1. 27400
 2. 29400
 3. 19400
 4. 23500

Q.14 Two equal circles are drawn on a square in such a way that opposite side of the square forms the diameter of each circle. If the remaining area of the square is 42 cm^2 , what is the measurement (in cm) of the diameter of each circle?

- Ans 1. 14
 2. 2.5
 3. 7
 4. 3.5

Q.15 Moving at $\frac{6}{7}$ of its usual speed, a bus is 20 minutes late. What is its usual time to cover the journey?

- Ans 1. 3 hours
 2. 4 hours
 3. 1.5 hours
 4. 2 hours

Q.16 If ΔABC and ΔPQR are similar. $AB = 8 \text{ cm}$, $PQ = 12 \text{ cm}$, $QR = 18 \text{ cm}$ and $RP = 24 \text{ cm}$, then the perimeter of ΔABC is _____ cm.

- Ans 1. 36
 2. 42
 3. 54
 4. 27

Q.17 A hemisphere has a radius of 6.2 cm. Find its total surface area (use $\pi = 3.14$) (round off to two decimal places).

- Ans 1. 276.35 cm^2
 2. 282.25 cm^2
 3. 358.52 cm^2
 4. 362.10 cm^2

Q.18 On dividing a certain number by 304, we get 43 as the remainder. If the same number is divided by 16, what will be the remainder?

- Ans 1. 8
 2. 11
 3. 15
 4. 12

- Q.19** Read the given information and answer the question that follows.
The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.
The number in the brackets gives the maximum marks in each subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

What is the total raw score obtained by Rohit?

- Ans 1. 430.5
 2. 444.5
 3. 440.5
 4. 425

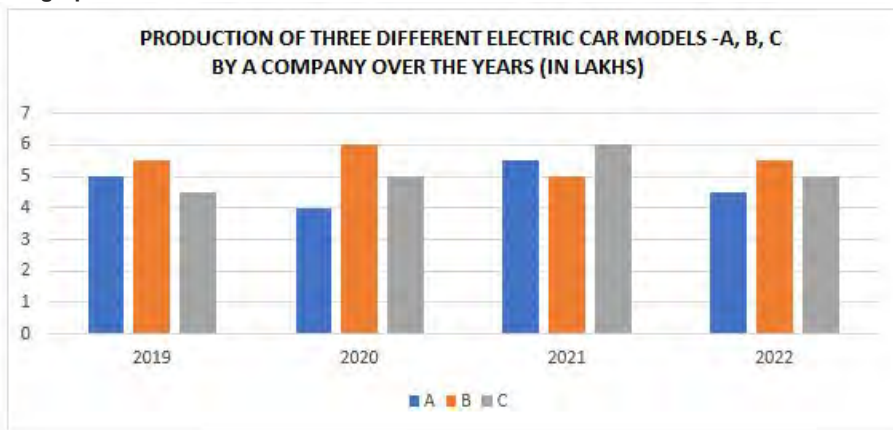
- Q.20** The sum of the five consecutive even numbers is 2720. The sum of the third and fifth numbers is:

- Ans 1. 1392
 2. 1192
 3. 1092
 4. 1292

- Q.21** 47 masons can dig a 35 m long trench in one day. How many masons should be employed for digging a 105 m long trench of the same type in one day?

- Ans 1. 94
 2. 70
 3. 141
 4. 128

Q.22 An electric vehicle company produces three different car models: A, B and C. The production of three different models over a period of four years has been shown in the bar graph below.



What is the difference between the average production of Model A in 2019, 2021 and 2022 and the average production of Model B in 2020, 2021 and 2022?

- Ans
- 1. 95,000 cars
 - 2. 45,000 cars
 - 3. 80,000 cars
 - 4. 50,000 cars

Q.23 If the side of a square is increased by 5%, then the percentage increase in its area will be:

- Ans
- 1. 11%
 - 2. 10.25%
 - 3. 10%
 - 4. 10.5%

Q.24 If the brick size is 25 cm×12 cm×9 cm, then how many bricks are required to construct a wall of length 10 m, breadth 22.5 cm and height 6 m?

- Ans
- 1. 4500
 - 2. 6000
 - 3. 8000
 - 4. 5000

Q.25 Given that $\sin \theta = \frac{15}{17}$. Evaluate $\frac{15 \cot \theta + 17 \sin \theta}{8 \tan \theta + 16 \sec \theta}$, where $0^\circ < \theta < 90^\circ$.

- Ans
- 1. $\frac{23}{49}$
 - 2. $\frac{49}{26}$
 - 3. $\frac{26}{23}$
 - 4. $\frac{49}{23}$

Q.1 Who is the only Indian woman who has been ranked world's no.1 for badminton?

- Ans 1. Saina Nehwal
 2. Rituparna Das
 3. Jwala Gutta
 4. P V Sindhu

Q.2 Which folk music does NOT belong to Nagaland?

- Ans 1. Nyioga
 2. Heliamleu
 3. Hereileu
 4. Neuleu

Q.3 What is the main objective of Fiscal Responsibility and Budget Management Act (FRBMA), 2003?

- Ans 1. To increase exports
 2. To increase excise duty
 3. To reduce fiscal deficit
 4. To reduce subsidies

Q.4 Mahabalipuram temple was built under the reign of which of the following dynasties?

- Ans 1. Rashtrakuta
 2. Pallava
 3. Pratihara
 4. Chola

Q.5 'Chhau' is a popular dance of which of the following state?

- Ans 1. Gujarat
 2. Haryana
 3. Jharkhand
 4. Kerala

Q.6 In September 2022 the book 'Ambedkar and Modi: Reformer's Ideas Performer's Implementation' has been written by which of the following personalities?

- Ans 1. Sarvepalli Radhakrishnan
 2. Pratibha Patil
 3. APJ Abdul Kalam
 4. Ram Nath Kovind

Q.7 In July 2021, which state government passed a resolution supporting an ad hoc committee report that favoured the creation of a legislative council?

- Ans 1. Bihar
 2. West Bengal
 3. Telangana
 4. Odisha

Q.8 Orographic rainfall occurs when _____.

- Ans 1. a cyclone makes a landfall
 2. saturated air mass comes across a mountain
 3. hot air rises up in conventional currents
 4. the air masses collide at Intertropical Convergence Zone

Q.9 On what type of data can MS Excel functions operate?

- Ans 1. External data sources only
 2. Entire worksheets only
 3. Range of cells or groups of cells
 4. Individual cells only

Q.10 According to Census of India 2011, how many districts are there in India?

- Ans 1. 630
 2. 640
 3. 610
 4. 620

Q.11 What will happen when you select the cell contents of a particular row in MS-Excel and then click the Delete button?

- Ans 1. First five cell entries will be deleted
 2. Only first three cells will be deleted
 3. Entire row will be deleted
 4. Entries in all the selected cells will be deleted

Q.12 Which of the following is an example of a 'solid in a liquid' type of solution?

- Ans 1. Vinegar
 2. Tincture of iodine
 3. Brass
 4. Bronze

Q.13 The Reserve Bank of India was fully nationalised and owned by the Government of India in which of the following years?

- Ans 1. 1948
 2. 1947
 3. 1949
 4. 1950

Q.14 The Industrial Policy Resolution, 1948 mainly categorised the large-scale industries into _____ fragments.

- Ans 1. two
 2. four
 3. three
 4. five

Q.15 Which of the following was NOT a venue for the 66th National School Games 2022-23?

- Ans 1. Delhi
 2. Bhopal
 3. Ludhiana
 4. Gwalior

Q.16 In April 2023, Government of India launched Vibrant Village Programme from Kibithoo village which is located in _____.

- Ans 1. Bihar
 2. Arunachal Pradesh
 3. Assam
 4. Meghalaya

Q.17 When was the Bharat Nirman Programme launched by the Government of India?

- Ans 1. 2014
 2. 2005
 3. 2010
 4. 2000

Q.18 Which of the following is NOT a poverty alleviation programme in India?

- Ans 1. Rashtriya Uchchar Shiksha Abhiyan
 2. Swarna Jayanti Shahari Rozgar Yojana
 3. Prime Minister Rozgar Yojana
 4. Integrated Rural Development Program

Q.19 Which famous book was written by 'Haripala'?

- Ans 1. Gita Govinda
 2. Sangeet Darpan
 3. Sangeet Ratnakara
 4. Sangeeta Sudhakara

Q.20 How do the muscle cells help in movement?

- Ans 1. The thickness of the cell layer helps in movement.
 2. The lining of the vessels inside help in movement.
 3. The blood flow of the cells helps in movement.
 4. The contraction and relaxation of these cells result in movement.

Q.21 The fifth edition of the Khelo India Youth Games were organised in Bhopal city in which year?

- Ans 1. 2023
 2. 2021
 3. 2022
 4. 2020

Q.22 Which of the following is the festival of Kerala that heralds the harvest season, lasts for 10 days, and has snake boat races etc?

- Ans
- 1. Vishu
 - 2. Thiruvathira
 - 3. Thrissur Pooram
 - 4. Onam

Q.23 Which of the following statements are INCORRECT vis-à-vis features of the Indian Constitution?

- 1) The Constitution empowers the Prime Minister to proclaim three types of emergencies.
- 2) A reservation policy is there to uplift the disadvantaged sections of society.
- 3) The Supreme Court has no power of judicial review.
- 4) The Constitution provides for universal adult suffrage.

- Ans
- 1. 1 and 3
 - 2. 1 and 2
 - 3. 2 and 4
 - 4. 3 and 4

Q.24 Which of the following groups of places in India has little differences in day and night temperatures?

- Ans
- 1. Chennai and Thiruvananthapuram
 - 2. Jaipur and Jaisalmer
 - 3. Bhopal and Indore
 - 4. Jammu and Kashmir

Q.25 Article 20 of the Constitution of India is related to _____.

- Ans
- 1. equality of opportunities in matters of public employment
 - 2. protection in respect of conviction for offenses
 - 3. freedom to manage religious affairs
 - 4. abolition of titles

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ 2 Sector 62
Exam Date	02/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
 Since the little girl answers / a few simple questions, / her parents say that / she is too intelligent.

- Ans**
- 1. her parents say that
 - 2. a few simple questions
 - 3. Since the little girl answers
 - 4. she is too intelligent

Q.2 Select the option that corrects the following sentence.
 What are you looking around?

- Ans**
- 1. What are you looking among?
 - 2. What are you looking for?
 - 3. What are you looking through?
 - 4. What are you looking across?

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

It is difficult to live in / the societal expectations / when one has / fewer resources.
 A B C D

- Ans**
- 1. C
 - 2. A
 - 3. B
 - 4. D

Q.4 The following sentence has been divided into four segments. Identify the segment that contains an error in the usage of indefinite articles.
 We took / an ice / and applied it on / the wound.

- Ans**
- 1. and applied it on
 - 2. the wound.
 - 3. We took
 - 4. an ice

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank No. 1.

- Ans 1. lazy
 2. small
 3. large
 4. dumb

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank No. 2.

- Ans 1. of
 2. with
 3. for
 4. off

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank No. 3.

- Ans 1. declining
 2. feigning
 3. wasteful
 4. similar

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank No. 4.

- Ans 1. religious
 2. psychological
 3. cultural
 4. educational

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Cities are the great havens for knowledge, culture, and social life. Vibrant cultures are found in cities because it takes a 1. _____ population to support museums, concert halls, sports teams, and night-life districts. Cities also offer rich social opportunities. People in rural areas enjoy only limited social opportunities because 2. _____ the small local population. City dwellers can choose their friends and mates from among a large number of people of 3. _____ interests and inclinations. We are not likely to abandon the city as a 4. _____ institution, but we need to make sure that our transport arrangements do not 5. _____ the 'city's' other functions.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank No. 5.

- Ans 1. support
 2. boost
 3. help
 4. damage

Q.10 Select the most appropriate idiom to fill in the blank.

After a day long trek, we were so tired that we were ready to _____.

- Ans 1. face the music
 2. hit the sack
 3. get into deep water
 4. go from rags to riches

Q.11 Select the most appropriate homonym to fill in the blank.

Ravi is _____.

- Ans 1. bald
 2. bawled
 3. baled
 4. balled

Q.12 Select the most appropriate idiom to fill in the blank.

The two brothers _____ when their father died.

- Ans
- 1. fell down
 - 2. look down upon
 - 3. got the sack
 - 4. fell out

Q.13 Select the most appropriate ANTONYM of the underlined word.
She was known for her refined manners.

- Ans
- 1. Brood
 - 2. Shrewd
 - 3. Crude
 - 4. Elegant

Q.14 Select the most appropriate ANTONYM of the underlined word.
We should desecrate our national flag.

- Ans
- 1. Damage
 - 2. Sanctify
 - 3. Integrate
 - 4. Violate

Q.15 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The truth was revealed in the interrogation.

- Ans
- 1. Found
 - 2. Declared
 - 3. Evident
 - 4. Concealed

Q.16 Select the most appropriate option to fill in the blank.

The teacher asked the students to _____ electricity by switching off lights when they left the room.

- Ans
- 1. deposit
 - 2. save
 - 3. rescue
 - 4. retain

Q.17 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement'.
The Privacy Shield establishes a process to allow companies to transfer consumer data from European Union countries to the United States in compliance in EU law.

- Ans
- 1. in compliance with
 - 2. in compliance under the
 - 3. in compliance for the
 - 4. No improvement

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

One of my best friends are here.

- Ans
- 1. best friend is here
 - 2. better friends is here
 - 3. better friends are here
 - 4. best friends is here

Q.19 Select the INCORRECTLY spelt word.

- Ans
- 1. Demolish
 - 2. Destroy
 - 3. Develop
 - 4. Betrey

Q.20 Select the most appropriate synonym of the underlined word in the given sentence.

We should not discriminate against people who are different from us.

- Ans
- 1. part
 - 2. differentiate
 - 3. divide
 - 4. sever

Q.21 Select the most appropriate synonym of the word 'Abandon' from the given sentence.

Ramita has decided to forsake her participation in college activities until she improved her scores.

- Ans
- 1. improved
 - 2. forsake
 - 3. decided
 - 4. participation

Q.22 Select the most appropriate synonym of the word 'intuitive' to fill in the blank.
In a split second, her _____ reaction kicked in as she swiftly reached out to catch the falling glass.

- Ans
- 1. shrewd
 - 2. insightful
 - 3. instinctive
 - 4. voluntary

Q.23 Select the option that will improve the underlined part of the given sentence.

This book provides an unrestrained account of the natural resources in India.

- Ans
- 1. exhaustive
 - 2. exhausting
 - 3. limited
 - 4. excessive

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
Then I unfurled the Indian tri-colour and keep it aloft at the roof of the world.

Ans 1. No substitution required

2. held

3. hold

4. keeping

Q.25 Identify the incorrectly spelt word and select its correct spelling.
This will sound weired, but bear with me.

Ans 1. wired

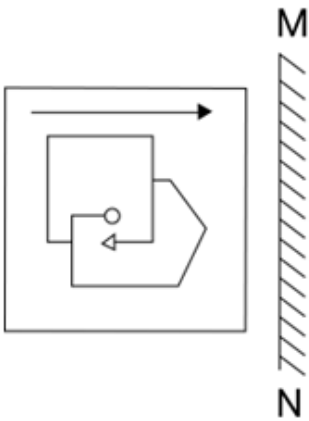
2. bier

3. beer

4. weird

KD JOB UPDATES

Q.1 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

- 1.

The mirror image of the original figure. The top horizontal arrow points right. The bottom horizontal arrow points right. The shape is a mirror reflection of the original figure across the vertical line MN.
- 2.

The mirror image of the original figure. The top horizontal arrow points right. The bottom horizontal arrow points right. The shape is a mirror reflection of the original figure across the vertical line MN.
- 3.

The mirror image of the original figure. The top horizontal arrow points left. The bottom horizontal arrow points left. The shape is a mirror reflection of the original figure across the vertical line MN.
- 4.

The mirror image of the original figure. The top horizontal arrow points right. The bottom horizontal arrow points right. The shape is a mirror reflection of the original figure across the vertical line MN.

Q.2 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some bottles are pens.

All pens are tables.

All tables are glasses.

Conclusion (I): Some glasses are bottles.

Conclusion (II): Some pens are glasses.

- Ans**
- 1. Neither conclusion (I) nor (II) follows.
 - 2. Only conclusion (II) follows.
 - 3. Only conclusion (I) follows.
 - 4. Both conclusions (I) and (II) follow.

Q.3 In a certain code language, 'INDULGE' is coded as '48' and 'PURGE' is coded as '24'. How will 'PUNY' be coded in that language?

- Ans**
- 1. 15
 - 2. 18
 - 3. 20
 - 4. 25

Q.4 45 is related to 100 following a certain logic. Following the same logic, 65 is related to 140. To which of the following is 105 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- 1. 210
 - 2. 215
 - 3. 220
 - 4. 230

Q.5 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



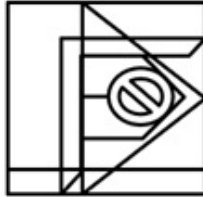
(X)

Ans

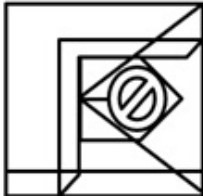
1.



2.



3.



4.



Q.6 In a certain code language,
 'A + B' means 'A is the mother of B',
 'A - B' means 'A is the brother of B',
 'A × B' means 'A is the father of B',
 'A ÷ B' means 'A is the daughter of B'
 Based on the above, how is E related to A if 'A × B - C + D ÷ E'?

Ans 1. Brother

2. Son

3. Daughter's husband

4. Wife's brother

Q.7 If 24 August 1932 was a Wednesday, then what was the day of the week on 11 September 1943?

Ans 1. Sunday

2. Wednesday

3. Saturday

4. Monday

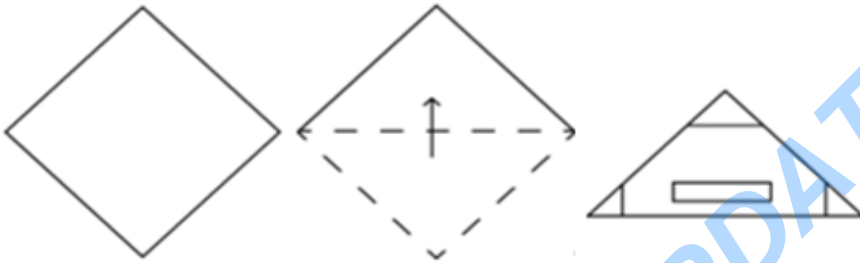
Q.8 In a certain code language, 'tiffin is heavy' is written as 'ct qm lb' and 'heavy weight gain' is written as 'rx yb ct'. How is 'heavy' written in the given language?

- Ans**
- 1. lb
 - 2. qm
 - 3. rx
 - 4. ct

Q.9 The position of how many letters will remain unchanged, if each of the letters in the word **DICTIONARY** is arranged in alphabetical order?

- Ans**
- 1. 4
 - 2. 3
 - 3. 2
 - 4. 1

Q.10 The sequence of folding a piece of paper and the manner in which the folded paper is punched is shown in the following figures. How would this paper look when unfolded?



Ans

- 1.
- 2.
- 3.
- 4.

Q.11 LH3 is related to RN21 in a certain way. In the same way, JF5 is related to PL35. To which of the following is ZV6 related following the same logic?

- Ans
- 1. EA45
 - 2. EA24
 - 3. FB42
 - 4. FB45

Q.12 What should come in place of ? in the given series based on the English alphabetical order?

YQI CZQ GIY KRG ?

- Ans
- 1. OAO
 - 2. DMX
 - 3. CNY
 - 4. EOZ

Q.13 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

K B V S Y X P C
M ————— N

- Ans
- 1. K B V S Y X P C
 - 2. C P X Y S V B K
 - 3. K B V S Y X P C
 - 4. K B V S Y X P C

Q.14 What should come in place of the question mark (?) in the given series?

27, 32, 42, 47, 57, ?

- Ans
- 1. 63
 - 2. 62
 - 3. 61
 - 4. 60

Q.15 'ETHICS' is related to 'AVDKYU' in a certain way based on the English alphabetical order. In the same way, 'CUSTOM' is related to 'YWOVKO'. To which of the following is 'PRINCIPLES' related, following the same logic?

- Ans
- 1. LTEPYKLMAU
 - 2. LSEPYKLNAU
 - 3. LTEPYKLNAU
 - 4. LTFPYKLNAU

Q.16 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', then the resultant of which of the following will be 233?

- Ans 1. 21 A 11 D 33 B 11 C 5
 2. 21 B 11 D 33 A 11 C 5
 3. 21 C 11 D 33 A 11 B 5
 4. 21 B 11 A 33 D 11 C 5

Q.17 What will come in the place of '?' in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

$$90 \times 2 - 43 + 7 \div 7 = ?$$

- Ans 1. 29
 2. 19
 3. 39
 4. 49

Q.18 Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?
 (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. CKP
 2. TBG
 3. EMS
 4. LTY

Q.19 Which of the following numbers will replace the question mark (?) in the given series?

12, 26, 54, ?, 222, 446

- Ans 1. 110
 2. 94
 3. 88
 4. 98

Q.20 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(26, 38, 128)
 (42, 19, 122)

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

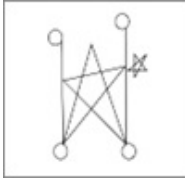
- Ans 1. (71, 9, 320)
 2. (33, 23, 112)
 3. (25, 36, 183)
 4. (18, 52, 70)

Q.21 Select the option in which the given figure is embedded (rotation is not allowed).

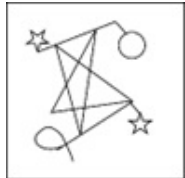


Ans

1.



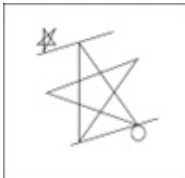
2.



3.



4.



Q.22 Which letter-cluster will replace the question mark (?) to complete the given series?
NDGB, OFJF, ?, TMSQ, XRYX

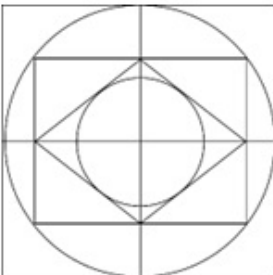
Ans 1. QJNK

2. QINK

3. RINJ

4. RHNK

Q.23 How many semi circles are there in the given figure?



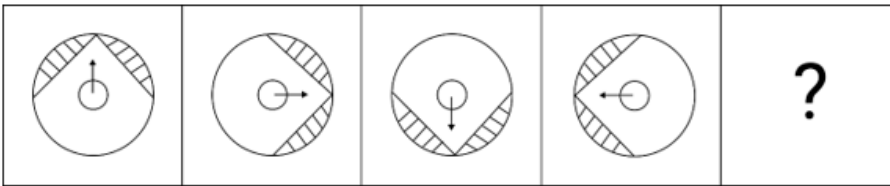
Ans 1. 9

2. 12

3. 10

4. 8

Q.24 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?



Ans

- 1.
- 2.
- 3.
- 4.

Q.25 Which two numbers should be interchanged to make the given equation correct?

$$8 \times (7 + 5 - 3) + (46 \div 23) \times 6 - 69 = 44$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 6 and 7
 - 2. 3 and 5
 - 3. 46 and 69
 - 4. 8 and 6

Q.1 Two circles of diameters 16 cm and 20 cm are such that the distance between their centers is 13 cm. What is the length (in cm) of a common tangent to these circles that does not intersect the line joining the centers?

- Ans
- 1. $\sqrt{167}$
 - 2. $\sqrt{165}$
 - 3. $\sqrt{163}$
 - 4. $\sqrt{173}$

Q.2 An iron box with external dimensions 60 cm, 40 cm, and 20 cm is made of 1 cm thick sheet. If 1 cm³ of iron weighs 50 gm, the weight of the empty box is:

- Ans
- 1. 416.40 kg
 - 2. 240 kg
 - 3. 214.05 kg
 - 4. 400 kg

Q.3 If price of an article increases successively by 15% and 10%, respectively, then what is the percentage equivalent to a single price increase of that article?

- Ans
- 1. 26.5%
 - 2. 25%
 - 3. 23.5%
 - 4. 12.5%

Q.4 Find the total amount of debt that will be discharged by 5 equal instalments of ₹200 each, if the debt is due in 5 years at 5% p.a. at simple interest.

- Ans
- 1. ₹1,100
 - 2. ₹1,200
 - 3. ₹1,255
 - 4. ₹1,400

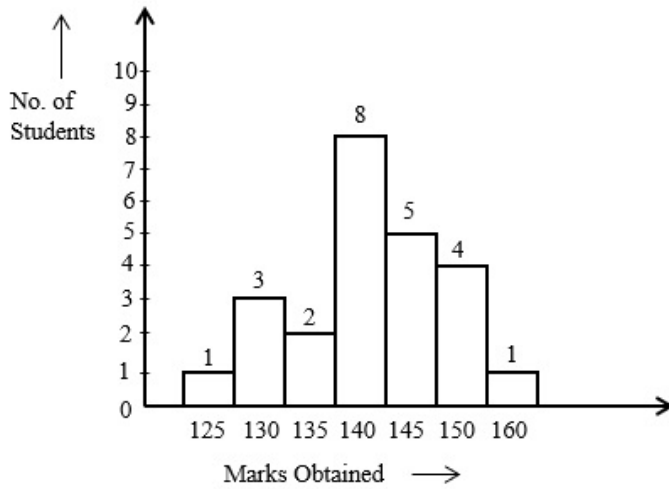
Q.5 The given table shows the number of 5 types of cars (Swift, Sx4, Ertiga, Zen, Echo) manufactured (in thousand) by Maruti over the years.

Types of Car					
Year	Swift	Sx4	Ertiga	Zen	Echo
2007	250	200	128	140	115
2008	200	230	150	155	120
2009	230	225	142	160	135
2010	245	210	170	175	125
2011	260	135	180	185	130
2012	275	155	230	220	120

Which type of cars manufactured by Maruti during 2007 to 2012 is the minimum?

- Ans
- 1. Echo
 - 2. Swift
 - 3. Zen
 - 4. Sx4

Q.6 Study the given bar-graph and answer the question that follows.



How many students obtained more than the average marks of the class?

- Ans
- 1. 1.8
 - 2. 2.6
 - 3. 10
 - 4. 11

Q.7 If the diameter of a hemisphere is 42 cm, then the volume of hemisphere (in cm^3) is:

Take $\pi = \frac{22}{7}$

- Ans
- 1. 19154
 - 2. 19254
 - 3. 19444
 - 4. 19404

Q.8 Simplify:

$$\{(3^3 + 2^3) \times \frac{22}{7}\} \times \{(6^2 + 3^2 - 4^2) \div (14\frac{1}{2})\}$$

- Ans
- 1. 220
 - 2. 145
 - 3. 110
 - 4. 198

Q.9 The price of an article is first increased by 40% and then decreased by 45%, due to reduction in sales. Find the net percentage change in the final price of the article.

- Ans
- 1. -23%
 - 2. 23%
 - 3. 13%
 - 4. -13%

Q.10 A and B, working together, take 15 days to complete a piece of work. If A alone can do this work in 18 days, then how long would B take to complete the same work?

- Ans 1. 33 days
 2. 15 days
 3. 8 days
 4. 90 days

Q.11 The shortest length of the intercept between the x-axis and y-axis of the equation $6x + 8y - 48 = 0$ is:

- Ans 1. 14 units
 2. 6 units
 3. 10 units
 4. 12 units

Q.12 Simplify the following expression.

$$[40 - 48 \div 4 \text{ of } 3] \div \{(6 + 4) - 4 \text{ of } 4 + 4 + (6 - 4) + (4 \times 4) \div 4\} \times 3.$$

- Ans 1. 30
 2. 26
 3. 25
 4. 27

Q.13 What is the number which needs to be added to 20% of 460 to have the sum as 70% of 920?

- Ans 1. 762
 2. 926
 3. 335
 4. 552

Q.14 Two quantities are in the ratio 3 : 5. If the first quantity is 155 kg. Find the other quantity (approximately).

- Ans 1. 150.5 kg
 2. 200.4 kg
 3. 240.6 kg
 4. 258.3 kg

Q.15 If $\Delta ABC \sim \Delta QRP$; area of ΔABC : area of $\Delta PQR = 9 : 4$; $AB = 18$ cm and $BC = 15$ cm, then find the length of PR.

- Ans 1. 15 cm
 2. 12 cm
 3. 10 cm
 4. 14 cm

Q.16 Let C be a circle with Centre O and P be an external point to C. Let PQ and PR be the tangents to C such that Q and R be the points of tangency, respectively. If $\angle ROQ = 110^\circ$, find $\angle RPQ$.

- Ans
- 1. 80°
 - 2. 90°
 - 3. 70°
 - 4. 110°

Q.17 If θ is an acute angle and $\tan\theta + \cot\theta = 2$, then find the value of $\tan^3\theta + \cot^3\theta + 6\tan^3\theta\cot^2\theta$.

- Ans
- 1. 8
 - 2. 10
 - 3. 12
 - 4. 6

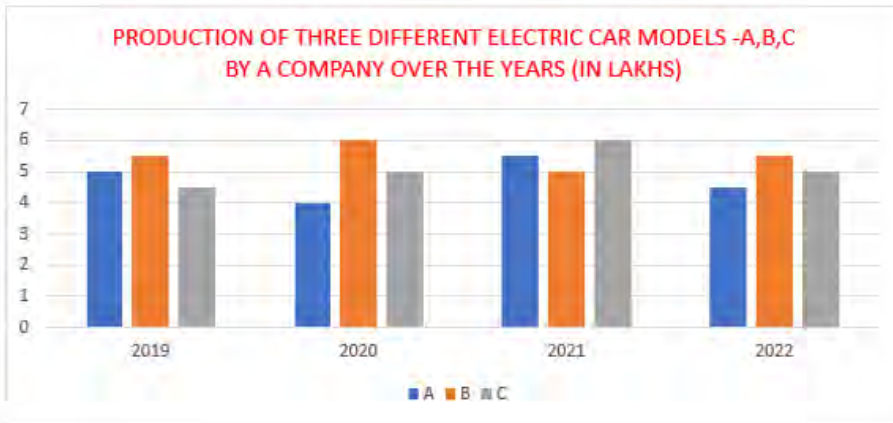
Q.18 Mithila covers 50 km by bus in 90 minutes. After deboarding the bus, she takes rest for 15 minutes and covers another 30 km by a taxi in 35 minutes. Find the average speed (in km/h) for the whole journey.

- Ans
- 1. $34\frac{2}{7}$
 - 2. $32\frac{2}{7}$
 - 3. $31\frac{2}{7}$
 - 4. $33\frac{2}{7}$

Q.19 A policeman received information that a thief is at a distance of 1.5 km from him. The thief starts moving by car and the policeman chases him by car. The thief and the policeman are moving at the speeds of 90 km/h and 120 km/h respectively. At what distance (in km) will the police catch the thief?

- Ans
- 1. 45.0 km
 - 2. 4.5 km
 - 3. 6 km
 - 4. 5 km

Q.20 Study the given bar-graph and answer the question that follows.
An electric vehicle company produces three different car models – A, B and C. The production of three different models over a period of four years (in lakhs) has been shown the bar-graph.



The total production of model C in 2021 and 2022 is what percentage of the total production of model A in 2019 and 2020?

- Ans
- 1. 102.26%
 - 2. 122.22%
 - 3. 105.22%
 - 4. 115.57%

Q.21 A shopkeeper marks an article at ₹150 and sells it at a discount of 25%. He also gives a gift worth ₹2.5. If he still makes a 10% profit, then the cost price (in ₹) of the article is:

- Ans
- 1. 175
 - 2. 100
 - 3. 125
 - 4. 112

Q.22 A shopkeeper bought 288 oranges for ₹115.20. He sold 50 of them at 70 paise each and the remaining at ₹46.20. Find his profit or loss.

- Ans
- 1. Loss, ₹36
 - 2. Loss, ₹34
 - 3. Profit, ₹37
 - 4. Profit, ₹25

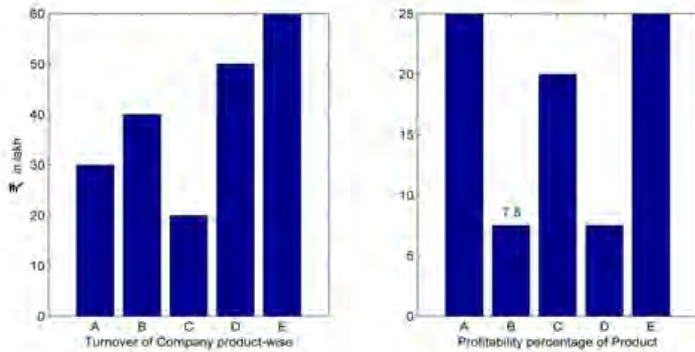
Q.23 Find the difference between the curved surface area and total surface area of a right circular cylinder having a length of 68 cm and base diameter of 28 cm.

- Ans
- 1. 1432 cm^2
 - 2. 1332 cm^2
 - 3. 1132 cm^2
 - 4. 1232 cm^2

Q.24 The perimeter of a triangle is 36 units. Its area cannot be more than _____ square units.

- Ans
- 1. $12\sqrt{7}$
 - 2. $36\sqrt{2}$
 - 3. $36\sqrt{3}$
 - 4. $18\sqrt{5}$

Q.25 Study the given bar-graphs and answer the question that follows.



Turnover of Company X (Product-wise: A,B,C,D and E)

Approximately what is the share in the total profit enjoyed by A and E together?

- Ans
- 1. 50%
 - 2. 80%
 - 3. 70%
 - 4. 60%

Q.1 In April 2023, Wing Commander Deepika Misra received which of the following awards?

- Ans
- 1. Vir Chakra
 - 2. Vayu Sena Medal
 - 3. Uttam Yudh Seva Medal
 - 4. Shaurya Chakra

Q.2 Where is Birsa Munda International Hockey Stadium located?

- Ans
- 1. Ranchi
 - 2. Rourkela
 - 3. Bhubaneswar
 - 4. Jamshedpur

Q.3 Which of the following methods measures poverty on the basis of income and consumption levels?

- Ans 1. Poverty band
 2. Poverty limit
 3. Poverty bar
 4. Poverty line

Q.4 What is the colour of the sending off card in football?

- Ans 1. Yellow
 2. Black
 3. Red
 4. Blue

Q.5 Fighting in the upright position in judo is called _____.

- Ans 1. ne-waza
 2. tachi-waza
 3. koshi-waza
 4. ashi-waza

Q.6 Muharram is the _____ month of the Islamic Calendar and is considered a holy month.

- Ans 1. fourth
 2. second
 3. first
 4. third

Q.7 Which of the following animals can change their gender during their life span?

- Ans 1. Humans
 2. Ascaris
 3. nereis
 4. Snail

Q.8 Which of the following is the maximum file size that can be attached to an email message in Gmail?

- Ans 1. 100 MB
 2. 200 MB
 3. 25 MB
 4. 50 MB

Q.9 Which of the following is the correct formula for calculating NNP?

- Ans 1. $NNP = GNP - DEPRECIATION$
 2. $NNP = GNP + DEPRECIATION$
 3. $NNP = GDP - DEPRECIATION$
 4. $NNP = GDP - INCOME$

Q.10 The British Government passed a law in the year 1856. It was meant for which among the following social reforms?

- Ans
- 1. Widow Remarriage
 - 2. Abolition of the Practice of Sati
 - 3. Abolition of Practice of Child Marriage
 - 4. Law against Murdering of Female Child

Q.11 The Citizenship Act, 1955 does NOT deal with _____.

- Ans
- 1. acquisition
 - 2. determination
 - 3. election
 - 4. termination

Q.12 A circular coil having 'n' turns produces a field _____ times large as that produced by a single turn

- Ans
- 1. $2n$
 - 2. $3n$
 - 3. $4n$
 - 4. n

Q.13 The Lushai Hills are also known as _____.

- Ans
- 1. Khasi Hills
 - 2. Mizo Hills
 - 3. Naga Hills
 - 4. Patkai Hills

Q.14 Which of the following is NOT one of the consequences of the Green Revolution?

- Ans
- 1. Employment of agricultural workers increased
 - 2. Rising prices and a shift in the mode of payment of agricultural workers from payment in cash to payment in kind (grain)
 - 3. Wages of agricultural workers increased
 - 4. The rich grew richer and many of the poor stagnated or grew poorer

Q.15 Which of the following statements is INCORRECT regarding the Coriolis force?

- Ans
- 1. It deflects the wind to the right in the north and left in the south.
 - 2. It is directly proportional to the angle of altitude
 - 3. Deflection is less when the wind is high.
 - 4. It is absent at the equator.

Q.16 Match the following renewable sources of energy with their producing regions in India correctly.

Renewable source of energy	Regions in India
1. Tidal energy	a. Gulf of Khambhat
2. Wind energy	b. Nagercoil
3. Geo Thermal energy	c. Puga valley

- Ans 1. 1-c, 2-b, 3-a
 2. 1-a, 2-b, 3-c
 3. 1-b, 2-a, 3-c
 4. 1-b, 2-c, 3-a

Q.17 To enhance the interoperability between the Indian and Russian Armies, a joint training exercise called _____ commenced at Prudboy Ranges, Volgograd in the year 2021.

- Ans 1. INDRA 2021
 2. SURYA KIRAN 2021
 3. VARUNA 2021
 4. SHAKTI 2021

Q.18 The famous folk music 'Hekialeu' has its origin in which state?

- Ans 1. Assam
 2. Goa
 3. Nagaland
 4. Tami Nadu

Q.19 Gugga is the famous ritualistic dance of _____, which is performed in the procession taken out in memory of Gugga Pir.

- Ans 1. Uttar Pradesh
 2. Jammu & Kashmir
 3. Haryana
 4. Puducherry

Q.20 At which place was the magnificent temple of Saiva constructed by the great Rashtrakuta King 'Krishna I'?

- Ans 1. Badami
 2. Kanchi
 3. Kannauj
 4. Ellora

Q.21 Khubakeshei is a kind of song accompanied by clapping, sung in the state of _____.

- Ans 1. Bihar
 2. Karnataka
 3. Manipur
 4. Odisha

Q.22 Which of the following Articles of the Constitution states that 'It shall be the duty of every citizen of India to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women.'?

- Ans
- 1. 51 A (b)
 - 2. 51 A (c)
 - 3. 51 A (e)
 - 4. 51 A (d)

Q.23 Maldives are located to the south of which island of India?

- Ans
- 1. Japan
 - 2. Lakshadweep
 - 3. Sri Lanka
 - 4. Andaman and Nicobar

Q.24 Which of the following state is the best governed state in the large states category as per the Public Affairs Index, 2020, which was released by the Public Affairs Centre, a non-profit organisation?

- Ans
- 1. Odisha
 - 2. Kerala
 - 3. Uttar Pradesh
 - 4. Bihar

Q.25 What takes place when you click the Save button or press Ctrl + S in Microsoft Word?

- Ans
- 1. The document is printed.
 - 2. The document is copied to the clipboard.
 - 3. The document is closed.
 - 4. The document is saved in a disk file.

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Manimangalam
Exam Date	02/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The teacher was / taken back by / the audacity of / the new student.
A B C D

Ans 1. B

2. C

3. D

4. A

Q.2 Select the most appropriate article to fill in the blank.
_____ bed you sleep in is broken.

Ans 1. On

2. The

3. An

4. A

Q.3 Select the option that will improve the given sentence by using the most appropriate verb.

That Macbook belong to Xavier.

Ans 1. That Macbook belonging to Xavier.

2. That Macbook is belong to Xavier.

3. That Macbook belongs to Xavier.

4. That Macbook is belonged to Xavier.

Q.4 Identify the grammatical error in the following sentence and select the correct tense from the options given below.

I have met my friend yesterday.

Ans 1. was meeting

2. have been meeting

3. had been meeting

4. met my friend

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1.

Ans 1. planned

2. believed

3. hoped

4. wished

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

Ans 1. sparse

2. little

3. light

4. minute

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

Ans 1. forms

2. customs

3. breaks

4. methods

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. recurrence
 2. relevance
 3. reference
 4. consistency

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

It is generally (1) _____ that the methodology of teaching-learning is the concern of teachers only. Learners have (2) _____ or nothing to do with it. But this is not true. The teaching-learning (3) _____ are concerns of learners as well. Knowing and understanding that how different subjects are taught are important for the learners of all subjects, but it has more (4) _____ for the learners of physical education. When we talk about you as learners of physical education, we mean that you have actually participated in the subject area, rather than (5) _____ studied it.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. purely
 2. entirely
 3. merely
 4. hardly

Q.10 Select the most appropriate option to fill in the blank.

She could easily eat the _____ biryani by herself.

- Ans 1. hole
 2. haul
 3. whole
 4. hall

Q.11 Select the most appropriate synonym of the underlined word.

Let us assume that we will do the job honestly.

- Ans 1. think
 2. take
 3. allow
 4. give

Q.12 Select the most appropriate synonym of the given word.

Remission

- Ans 1. Retribution
 2. Overlook
 3. Punishment
 4. Pardon

Q.13 Select the option that rectifies the spelling of the underlined word in the given sentence.

It has been a usual ocurrence for a few days now.

- Ans 1. occurrence
 2. occurence
 3. occurrence
 4. occerrence

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

It will take two hours to walk across the forest.

- Ans 1. between
 2. over
 3. away
 4. through

Q.15 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The plot of the novel is very dull.

- Ans 1. Riveting
 2. Diverting
 3. Plodding
 4. Charming

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement required'.

We set up on the journey early in the morning.

- Ans 1. set about
 2. No improvement required
 3. set in
 4. set off

Q.17 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

You can be sentenced for trespassing on someone else's property.

- Ans 1. conspiring against others
 2. leaving without permission
 3. entering without permission
 4. showing unselfish devotion

Q.18 Select the most appropriate idiomatic expression that can substitute the underlined segment in the given sentence.:
It feels like I made a promise of more than my ability when I promised to complete this worksheet in one day.

- Ans 1. bit off more than I could chew
 2. beat the drum
 3. beat my brain out
 4. burnt a hole in my pocket

Q.19 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Few people turned up to attend the tawdry promo of the new movie.

- Ans 1. Elegant
 2. Showy
 3. Gawdy
 4. Inferior

Q.20 Identify the incorrectly spelt word and select its correct spelling.
Maybe he wanted to make sure he didn't embarrese her.

- Ans 1. embarrass
 2. emberess
 3. shure
 4. sware

Q.21 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The wizard, while performing an item, accidentally set his own hat on fire and prompted the fire alarm to go on.

- Ans 1. the fire alarm to go above
 2. the fire alarm to go off
 3. the fire alarm to go under
 4. the fire alarm to go away

Q.22 Select the most appropriate option that collocates with 'wish' to fill in the blank.
The genie asked Aladdin to _____ a wish.

- Ans 1. make
 2. take
 3. ask
 4. tell

Q.23 Select the most appropriate ANTONYM of the underlined word in the following sentence.
The upshot of the consultation with the doctor was an operation scheduled for the next week.

- Ans 1. Cause
 2. Blame
 3. Estimate
 4. Result

Q.24 Select the most appropriate ANTONYM of the word given in the bracket to fill in the blank.

The State media houses present _____ (vociferous) views compared to private media.

- Ans
- 1. assertive
 - 2. biased
 - 3. political
 - 4. mild

Q.25 Select the most appropriate meaning of the given idiom.
On its last legs

- Ans
- 1. Last choice
 - 2. In a bad condition
 - 3. Creeping on legs
 - 4. Slow movement

Q.1 Select the letter-cluster pair that best represents a similar relationship to the one expressed in the pairs of letter-clusters given below.

GKI : MQO
CGE : IMK

- Ans
- 1. HLJ: NRO
 - 2. RUT: VZX
 - 3. JOM: PUR
 - 4. LPN: RVT

Q.2 Each of the letters in the word FRAMED is arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is second from the left and the one which is second from the right in the new letter cluster thus formed?

- Ans
- 1. Eight
 - 2. Seven
 - 3. Nine
 - 4. Six

Q.3 What will come in the place of '?' in the following equation if '+' and '×' are interchanged and '-' and '÷' are interchanged?
 $90 - 10 \times 36 + 52 \div 49 = ?$

- Ans
- 1. 1832
 - 2. 567
 - 3. 654
 - 4. 879

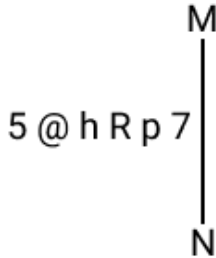
Q.4 Which of the following numbers will replace the question mark (?) in the given series?
12 60 20 100 60 300 260 ?

- Ans
- 1. 1300
 - 2. 1240
 - 3. 1160
 - 4. 1280

Q.5 In a certain code language, 'BROW' is coded as '7542' and 'WORM' is coded as '7295'.
What is the code for 'B' in the given code language?

- Ans
- 1. 2
 - 2. 9
 - 3. 7
 - 4. 4

Q.6 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. 2@hRp5
 - 2. 5@hRp2
 - 3. 7@hRp2
 - 4. 5@hRp7

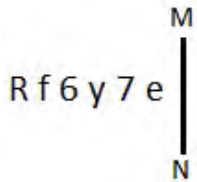
Q.7 'A + B' means 'A is the brother of B'.
'A - B' means 'A is the sister of B'.
'A × B' means 'A is the father of B'.
'A ÷ B' means 'A is the mother of B'.
Using the same meaning of the mathematical operators as given above, which of the following shows 'P is the father's father of S'?

- Ans
- 1. $P + Q - R \div S$
 - 2. $P - Q + R \div S$
 - 3. $P \times Q \times R + S$
 - 4. $P + Q \div R \times S$

Q.8 Each of the letters in the word JUSTICE are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter that is second from the left and the one that is fourth from the right in the new letter cluster thus formed?

- Ans
- 1. 6
 - 2. 7
 - 3. 5
 - 4. 4

Q.9 Select the correct mirror image of the given figure when the mirror is placed at MN.



- Ans
- 1. e 7 ʌ ɔ ʃ ʀ
 - 2. 6 ʌ ʀ ɔ ʃ ʀ
 - 3. e 7 ʌ ɔ ʃ ʀ
 - 4. 6 ʌ ʀ ɔ ʃ ʀ

Q.10 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

$$11 \text{ B } 11 \text{ D } 68 \text{ A } 4 \text{ C } 4 = ?$$

- Ans
- 1. 108
 - 2. 104
 - 3. 102
 - 4. 106

Q.11 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
 (18, 7, 119)
 (11, 9, 90)

- Ans
- 1. (16, 5, 65)
 - 2. (13, 5, 58)
 - 3. (17, 6, 102)
 - 4. (12, 4, 44)

Q.12 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
 ECF, JHK, OMP, TRU, ?

- Ans
- 1. YWZ
 - 2. YVZ
 - 3. XYZ
 - 4. XVZ

Q.13 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All fire is water.

Some water is earth.

No earth is air.

Conclusion (I): Some fire is earth.

Conclusion (II): Some fire is air.

- Ans**
- 1. Only conclusion (I) follows.
 - 2. Neither conclusion (I) nor (II) follows.
 - 3. Only conclusion (II) follows.
 - 4. Both conclusions (I) and (II) follow.

Q.14 In a certain code language, 'SORT' is coded as '4698' and 'RUST' is coded as '6429'. How is 'O' coded in the given language?

- Ans**
- 1. 6
 - 2. 8
 - 3. 4
 - 4. 9

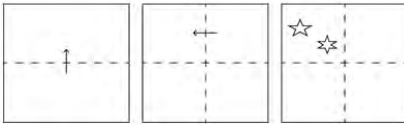
Q.15 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$95 \text{ B } 8 \text{ D } 12 \text{ A } 2 \text{ C } 16 = ?$$

- Ans**
- 1. 770
 - 2. 730
 - 3. 750
 - 4. 710

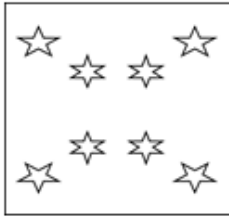
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Q.16 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

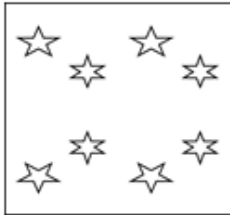


Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Q.17 9 is related to 47 following a certain logic. Following the same logic, 12 is related to 62. To which of the following is 17 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/ subtracting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

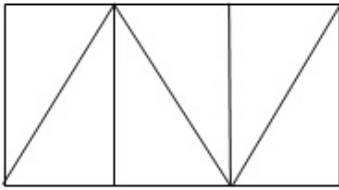
Ans ✗ 1. 97

✓ 2. 87

✗ 3. 85

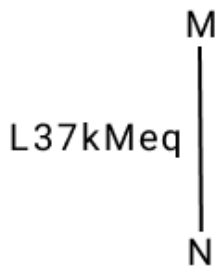
✗ 4. 75

Q.18 How many triangles are there in the following figure?



- Ans
- 1. 6
 - 2. 5
 - 3. 8
 - 4. 7

Q.19 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. L37kMeq
 - 2. L37kMed
 - 3. Meqk7L3
 - 4. L37kMed

Q.20 What should come in place of ? in the given series based on the English alphabetical order?

SLE CXS ? WVU GHI

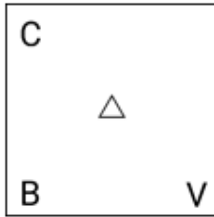
- Ans
- 1. COR
 - 2. HAP
 - 3. OWG
 - 4. MJG

Q.21 Which figure should replace the question mark (?) if the following figure series were to be continued?

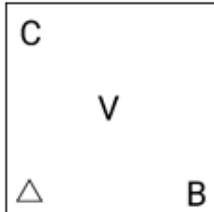
V	4	△	X	
X	B	V	B	?
B	4 X	V B	X V	△

Ans

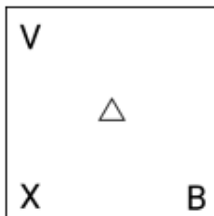
✓ 1.



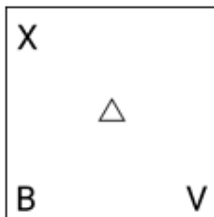
✗ 2.



✗ 3.



✗ 4.



Q.22 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Happy : Ecstatic

Ans

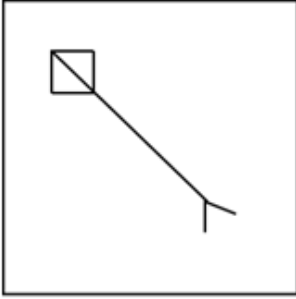
✓ 1. Polite : Courteous

✗ 2. Loyal : Betray

✗ 3. Honest : Deceptive

✗ 4. Progress : Stagnation

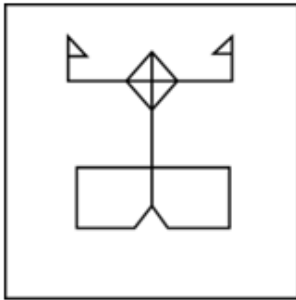
Q.23 Select the option in which the given figure X is embedded (rotation is NOT allowed).



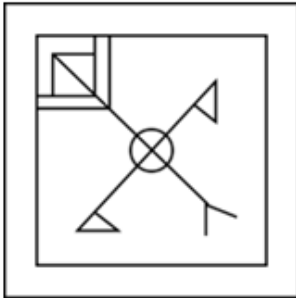
(X)

Ans

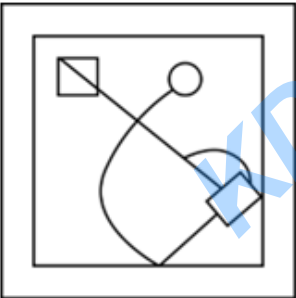
1.



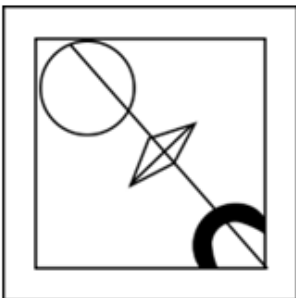
2.



3.



4.



Q.24 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. BEG
 2. JMN
 3. TWY
 4. MPR

Q.25 What should come in place of the question mark (?) in the given series?

3, 10, 24, ?, 73, 108, 150, 199

- Ans 1. 35
 2. 40
 3. 45
 4. 30

Q.1 In an election between two candidates, one got 65% of the total valid votes. 20% of the votes were invalid. If the total number of votes was 7,500, the number of valid votes that the other candidate got was:

- Ans 1. 4,300
 2. 1,900
 3. 2,100
 4. 1,700

Q.2 In $\triangle PQR$, $PR = 10$ cm. Find the length of PT , where $ST \parallel QR$. Given that $PS = 6$ cm and $QS = 14$ cm.

- Ans 1. 2 cm
 2. 4 cm
 3. 1.5 cm
 4. 3 cm

Q.3 Simplify the following:

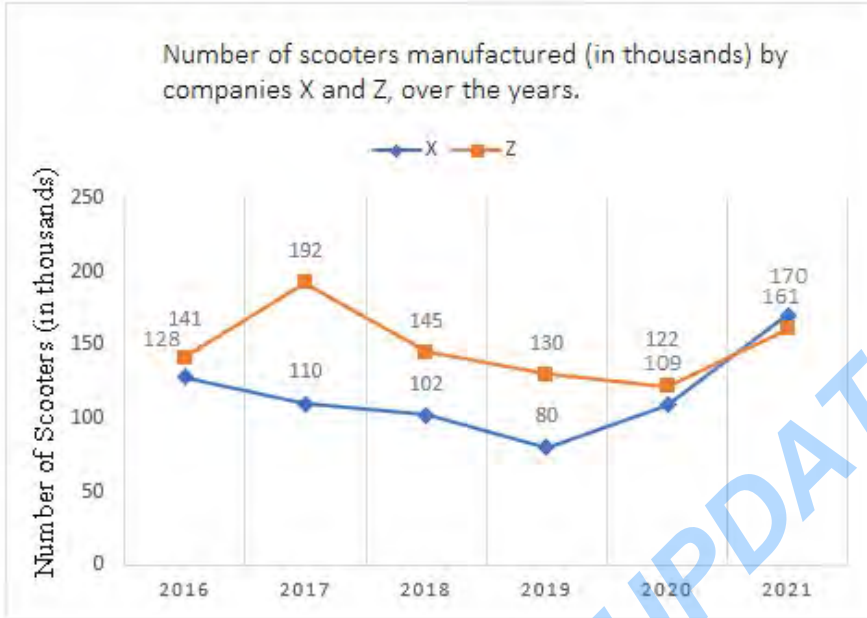
$$\frac{3}{2} \times \frac{11}{5} \div \left(\frac{25}{44} \times \frac{11}{5} \right) \div \frac{33}{15} = ?$$

- Ans 1. $\frac{1}{2}$
 2. $\frac{6}{5}$
 3. $\frac{5}{6}$
 4. $\frac{2}{3}$

Q.4 A, B and C can complete a work in 12, 15 and 20 days, respectively. How many days are required to finish the work if they work together?

- Ans
- 1. 4 days
 - 2. 3 days
 - 3. 5 days
 - 4. 6 days

Q.5 The given line graph shows the number of scooters manufactured (in thousands) by companies X and Z, over the years.



What is the average number of scooters manufactured by company X over the given period?

- Ans
- 1. 256000
 - 2. 213000
 - 3. 116500
 - 4. 126500

Q.6 A sum becomes ₹6,600 in 4 years at simple interest at a yearly interest rate of 5% per annum. What is the sum?

- Ans
- 1. ₹6,000
 - 2. ₹3,300
 - 3. ₹5,500
 - 4. ₹4,400

Q.7 If the point of intersection of lines $x + y = 2$ and $2x - y = 1$ lies on $y = Kx + 5$, what is the value of K?

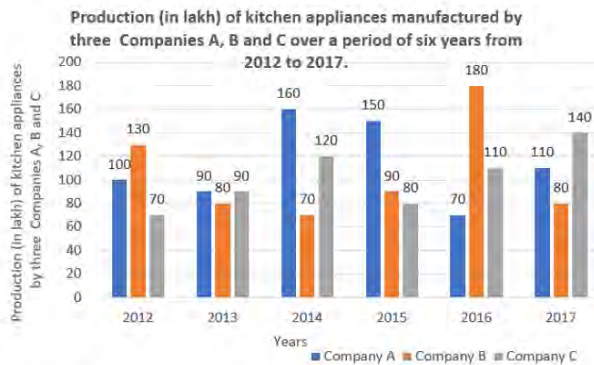
- Ans
- 1. 3
 - 2. -4
 - 3. 4
 - 4. -3

Q.8 Two offers were being made to Swaroop for a watch with a marked price of ₹1,600. Either two successive discounts of 20%, or two discounts of 30% and 10% after each other is offered. If Swaroop opted for the better plan over the other, how much more must he have saved?

- Ans**
- 1. ₹22
 - 2. ₹35
 - 3. ₹16
 - 4. ₹30

Q.9 Study the given bar-graph and answer the question that follows.

The bar-graph shows the production (in lakh) of kitchen appliances manufactured by three companies A, B, and C over a period of six years from 2012 to 2017.



80% of the combined average production of companies B and C is what percentage (to the nearest integer) more/less than 90% of the average production of company A, for the given period of 2012 to 2017?

- Ans**
- 1. 21% more
 - 2. 19% more
 - 3. 19% less
 - 4. 21% less

Q.10 What is the number of digits required for numbering a book with 428 pages?

- Ans**
- 1. 1500
 - 2. 2000
 - 3. 988
 - 4. 1176

Q.11 The outer surface of a sphere having diameter 10 m is painted at the rate of ₹ $\frac{80}{\pi}$ per m^2 . What is the cost of painting?

- Ans**
- 1. ₹8,000
 - 2. ₹9,000
 - 3. ₹4,000
 - 4. ₹6,000

Q.12 Study the given table and answer the question that follows.

The table shows the number of students appeared and qualified (in thousands) district-wise in the EMCET examination in a state.

Year	A	B	C	D	E	F
	App/Qual	App/Qual	App/Qual	App/Qual	App/Qual	App/Qual
2014	40/21	50/35	60/29	50/37	45/22	48/32
2015	50/26	60/38	60/42	40/26	35/22	45/19
2016	55/42	35/22	48/26	50/30	55/27	60/19

The total percentage of students who qualified in the year 2016 (correct up to two decimals) is:

- Ans
- 1. 52.82%
 - 2. 55.18%
 - 3. 44.72%
 - 4. 54.78%

Q.13 In $\triangle EFG$, $XY \parallel FG$, area of the quadrilateral $XFGY = 44 \text{ m}^2$. If $EX : XF = 2 : 3$, then find the area of $\triangle EXY$ (in m^2).

- Ans
- 1. 7.28
 - 2. 8.10
 - 3. 8.38
 - 4. 9.46

Q.14 If $\sqrt{13} \sin \theta = 2$, then the value of $\frac{3 \tan \theta + \sqrt{13} \sin \theta}{\sqrt{13} \cos \theta - 3 \tan \theta}$ is:

- Ans
- 1. 2
 - 2. 3
 - 3. 0
 - 4. 4

Q.15 At the beginning of day 1 of a month, Rajesh has 500 eggs. He sells 20% of the eggs by the end of the day and added $b\%$ of the eggs at the beginning of the next day and sold 20% of the eggs at the end of the next day. This pattern continued up to the end of the third day of the month when he is left with 1024 eggs. The value of b is equal to:

- Ans
- 1. 500
 - 2. 20
 - 3. 100
 - 4. 10

Q.16 Divide some money in the ratio Ravi, Reeta and Rahul that 5 (Part of Ravi) = 3 (Part of Reeta) = 11 (Part of Rahul). The money ratio of Ravi : Reeta : Rahul is equal to:

- Ans
- 1. 11 : 5 : 3
 - 2. 11 : 33 : 15
 - 3. 5 : 11 : 3
 - 4. 33 : 55 : 15

Q.17 The difference between the cost price and the selling price of an article is ₹1,800. If there is a profit of 20%, then the cost price of the article is:

- Ans**
- 1. ₹7,000
 - 2. ₹11,000
 - 3. ₹8,000
 - 4. ₹9,000

Q.18 Two trains of lengths 310 m and 330 m, respectively, are 160 m apart. They start moving towards each other on parallel tracks, at speeds 130 km/h and 158 km/h, respectively. In how much time (in seconds) will the trains cross each other?

- Ans**
- 1. 10
 - 2. 18
 - 3. 8
 - 4. 12

Q.19 A man spends 35% of his monthly income on food and four-thirteenths of the remaining income on transport. He incurs some other expenses, but also saves Rs.6,300 per month, the latter being equal to 20% of the balance remaining just after spending on food and transport. What is his monthly income (in Rs.)?

- Ans**
- 1. 63000
 - 2. 72,000
 - 3. 67500
 - 4. 70,000

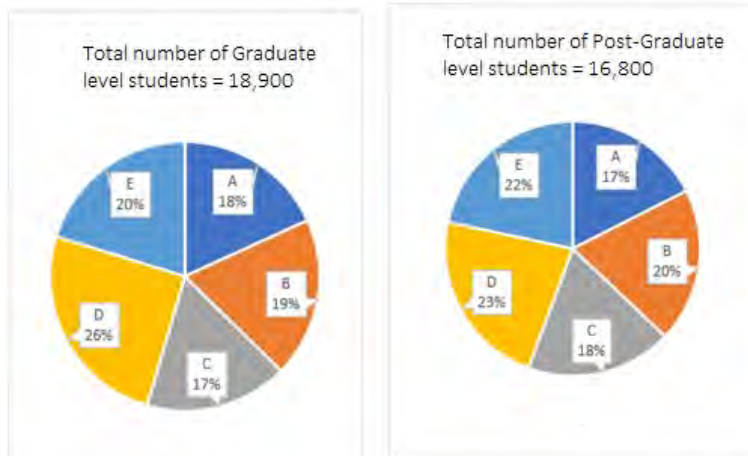
Q.20 L and M are the mid points of sides AB and AC of a triangle ABC, respectively, and BC = 18 cm. If $LM \parallel BC$, then find the length of LM (in cm).

- Ans**
- 1. 6
 - 2. 9
 - 3. 3
 - 4. 12

Q.21 In $\triangle ABC$ the straight line parallel to the side BC meets AB and AC at the points P and Q, respectively. If $AP = QC$, the length of AB is 12 cm and the length of AQ is 2 cm, then the length (in cm) of CQ is:

- Ans**
- 1. 2
 - 2. 6
 - 3. 3
 - 4. 4

Q.22 The given pie-charts show the distribution of Graduate and Post-Graduate level students in five different colleges A, B, C, D and E.



How many students of colleges A and B are studying at Graduate level?

- Ans**
- 1. 5,987
 - 2. 4,520
 - 3. 6,993
 - 4. 7,052

Q.23 The triangle has sides 3 cm, 4 cm and 5 cm. What is the length of the perpendicular from the opposite vertex to the side whose length is 5 cm?

- Ans**
- 1. 3.5 cm
 - 2. 2.4 cm
 - 3. 2.2 cm
 - 4. 1.4 cm

Q.24 In June, Rohit's bank account balance is ₹5,000 for 25 days, ₹20,000 for 2 days and ₹1,500 for 3 days. What is the average balance (in ₹) in Rohit's bank account in June?

- Ans**
- 1. 5650
 - 2. 5575
 - 3. 6000
 - 4. 5200

Q.25 The radius and height of a cylinder are in the ratio 6 : 7 and its volume is 792 cm^3 . Calculate its curved surface area in cm^2 .

- Ans**
- 1. 262
 - 2. 490
 - 3. 264
 - 4. 226

Q.1 When did the first War of Indian Independence (Sepoy Mutiny) start?

- Ans 1. 1839
 2. 1857
 3. 1887
 4. 1819

Q.2 In a dihybrid cross between two heterozygous fruit flies with brown bodies and red eyes (BbEe X BbEe), what will be the probability of getting BBEE genotype?

- Ans 1. 1/8
 2. 1/4
 3. 1/16
 4. 1/2

Q.3 Which of the following musical forms in Carnatic Classical is the simplest composition of raga?

- Ans 1. Kirtnam
 2. Varnam
 3. Gitam
 4. Pada

Q.4 According the Census of India 2011, which group of states has the least urban population?

- Ans 1. Madhya Pradesh and Bihar
 2. Himachal Pradesh and Meghalaya
 3. Himachal Pradesh and Bihar
 4. Uttar Pradesh and Bihar

Q.5 Which of the following districts of India has the highest literacy rate as per Census 2011?

- Ans 1. Idukki
 2. Champhai
 3. Ernakulam
 4. Serchhip

Q.6 Which of the following dynasties' genealogy was found in the Bijolia inscription?

- Ans 1. Gahadavala
 2. Parmara
 3. Chandela
 4. Chahamana

Q.7 In which judgement did the Supreme Court extend the scope of Article 21 and observed that 'the Right to education flows directly from the Right to life'?

- Ans 1. Mohini Jain v State of Karnataka
 2. Neerja Choudhari v State of M. P.
 3. Kharak Singh v State of UP
 4. Malak Singh v State of Punjab

Q.8 Bali Yatra, is a traditional cultural festival of which state?

- Ans 1. Odisha
 2. Bihar
 3. West Bengal
 4. Assam

Q.9 The Bist Doab Canal System and Makhu Canal System are associated with which state of India?

- Ans 1. Punjab
 2. Assam
 3. Uttar Pradesh
 4. Gujarat

Q.10 _____ has called the Right to Constitutional Remedy as the 'Soul of the Constitution'.

- Ans 1. Jawaharlal Nehru
 2. Lal Lajpat Rai
 3. Bal Gangadhar Tilak
 4. Dr. BR Ambedkar

Q.11 In April 2023, India's External Affairs Minister S Jaishankar launched the project for restoration of which of the following ghats?

- Ans 1. Manikarnika Ghat
 2. Assi Ghat
 3. Cheer Ghat
 4. Tulsi Ghat

Q.12 Lakshmbai National Institute of Physical Education (LNPE) is located at _____.

- Ans 1. Uttar Pradesh
 2. Haryana
 3. Madhya Pradesh
 4. Punjab

Q.13 _____ at Market Price refers to the sum total of factor incomes earned by residents of a country during an accounting year including net indirect taxes.

- Ans 1. Net National Product (NNP)
 2. Net Domestic Product (NDP)
 3. Gross National Product (GNP)
 4. Gross Domestic Product (GDP)

Q.14 Which of the following Articles was amended by The Constitution Fiftieth Amendment Act, 1984?

- Ans 1. Article 78
 2. Article 99
 3. Article 33
 4. Article 56

Q.15 Which type of soil is found on about 40% of the total area of India?

- Ans 1. Black soil
 2. Alluvial soil
 3. Laterite soil
 4. Red and Yellow soil

Q.16 In which year did Eric A. Cornell, Wolfgang Ketterle and Carl E. Wieman receive the Nobel Prize in Physics for the achieving 'Bose-Einstein condensation in dilute gases of alkali atoms'?

- Ans 1. 2001
 2. 2003
 3. 2002
 4. 2000

Q.17 Which of the following was a feature of the Indian economy before the British rule?

- Ans 1. Independent economy
 2. Prosperous economy
 3. Self-reliant economy
 4. Dependent economy

Q.18 How many countries participated in the first Asian Games held in 1951?

- Ans 1. 16
 2. 11
 3. 20
 4. 24

Q.19 _____ was an Indian dancer and choreographer best known for creating a fusion style of dance adapting European theatrical techniques to Indian classical and folk-dance forms.

- Ans 1. Smita Nagdev
 2. Ravi Shankar
 3. Shovana Narayan
 4. Uday Shankar

Q.20 In Microsoft PowerPoint, what is the shortcut key combination to insert a new slide in a presentation?

- Ans 1. Ctrl + I
 2. Ctrl + N
 3. Ctrl + D
 4. Ctrl + M

Q.21 On 9 August 2021, the Parliament had passed the Limited Liability Partnership (Amendment) Bill, 2021. It amended the:

- Ans 1. Limited Liability Partnership Act, 2004
 2. Limited Liability Partnership Act, 2008
 3. Limited Liability Partnership Act, 2012
 4. Limited Liability Partnership Act, 2016

Q.22 A distinctive cross-shaped constellation best seen in the northern hemisphere during the summer and fall months around September is:

- Ans 1. Cygnus
 2. Ursa Major
 3. Pegasus
 4. Cassiopeia

Q.23 In Kabaddi, a super tackle is when a raider is caught/self out/declared out with or less than how many defenders defending?

- Ans 1. Six
 2. Five
 3. Three
 4. Four

Q.24 Who among the following wrote the popular Telugu patriotic song 'Desamunu preminchumanna, manchi annadi penchumanna' meaning 'Love the nation, grow the goodness'?

- Ans 1. Gurajada Apparao
 2. Sri Krishnadevaraya
 3. Bammara Potana
 4. Goparaju Ramachandra Rao

Q.25 How can you insert a blank row at the top of a worksheet?

- Ans 1. Drag the mouse on the row border to select the row and click Insert in the Cells group on the Home tab.
 2. Click on the row number and press the Insert key on the keyboard.
 3. Click on the row number and press the Delete key on the keyboard.
 4. Right-click on the row number and select Insert.

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	ION Digital Zone iDZ Jamshedpur
Exam Date	03/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.

His mother's transfer from a small town to Delhi brought up a huge change in his schooling.

Ans 1. brought up a huge change

2. in his schooling.

3. from a small town to Delhi

4. His mother's transfer

Q.2 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Mrs. Meera and family / received his letter / a week ago.

Ans 1. a week ago

2. No error

3. Mrs. Meera and family

4. received his letter

Q.3 Identify the error in the given sentence and select the correct sentence from the given options.

Petrified wood is type of fossilised wood that exhibits the original details of the wood.

Ans 1. The petrified wood is the type of fossilised wood that exhibits a original details of the wood.

2. A petrified wood is type of fossilised wood that exhibits an original details of the wood.

3. Petrified wood is a type of fossilised wood that exhibits the original details of the wood.

4. Petrified wood is the type of fossilised wood that exhibits a original details of the wood.

Q.4 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Ramya is working / hardly / to get good marks.

Ans 1. to get good marks

2. hardly

3. No error

4. Ramya is working

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

On the afternoon of 30 March 1981, many Americans experienced a (i) _____ of déjà-vu. Déjà-vu is a name given to the feeling that a person has seen or experienced an event before. Many Americans could not help having that feeling on this day.

The (ii) _____ hit TVs and radios immediately. President Ronald Raegan had been shot. He was leaving a hotel in Washington DC, turned to wave at some of the people gathered to see him, and fell towards the ground. Before he could hit the ground, his Secret Service Agents (iii) _____ him into the car and rushed to the nearest hospital. This same story had been heard before. On 22 November 1963 President John F Kennedy was riding in a motorcade through Dallas, Texas. He smiled and waved to the crowd that had gathered to see him. (iv) _____ rang out from a nearby building. The President collapsed into the backseat of the car and was immediately taken to the nearest hospital. He was (v) _____ dead at the hospital. Now, just seventeen years later, the news sounded eerily the same.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank No. (i).

- Ans 1. dealing
 2. blinking
 3. recalling
 4. feeling

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

On the afternoon of 30 March 1981, many Americans experienced a (i) _____ of déjà-vu. Déjà-vu is a name given to the feeling that a person has seen or experienced an event before. Many Americans could not help having that feeling on this day.

The (ii) _____ hit TVs and radios immediately. President Ronald Raegan had been shot. He was leaving a hotel in Washington DC, turned to wave at some of the people gathered to see him, and fell towards the ground. Before he could hit the ground, his Secret Service Agents (iii) _____ him into the car and rushed to the nearest hospital. This same story had been heard before. On 22 November 1963 President John F Kennedy was riding in a motorcade through Dallas, Texas. He smiled and waved to the crowd that had gathered to see him. (iv) _____ rang out from a nearby building. The President collapsed into the backseat of the car and was immediately taken to the nearest hospital. He was (v) _____ dead at the hospital. Now, just seventeen years later, the news sounded eerily the same.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank No. (ii).

- Ans 1. arrow
 2. ball
 3. news
 4. sceptre

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

On the afternoon of 30 March 1981, many Americans experienced a (i) _____ of déjà-vu. Déjà-vu is a name given to the feeling that a person has seen or experienced an event before. Many Americans could not help having that feeling on this day. The (ii) _____ hit TVs and radios immediately. President Ronald Reagan had been shot. He was leaving a hotel in Washington DC, turned to wave at some of the people gathered to see him, and fell towards the ground. Before he could hit the ground, his Secret Service Agents (iii) _____ him into the car and rushed to the nearest hospital. This same story had been heard before. On 22 November 1963 President John F Kennedy was riding in a motorcade through Dallas, Texas. He smiled and waved to the crowd that had gathered to see him. (iv) _____ rang out from a nearby building. The President collapsed into the backseat of the car and was immediately taken to the nearest hospital. He was (v) _____ dead at the hospital. Now, just seventeen years later, the news sounded eerily the same.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank No. (iii).

- Ans 1. called
 2. pulled
 3. whisked
 4. pushed

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

On the afternoon of 30 March 1981, many Americans experienced a (i) _____ of déjà-vu. Déjà-vu is a name given to the feeling that a person has seen or experienced an event before. Many Americans could not help having that feeling on this day. The (ii) _____ hit TVs and radios immediately. President Ronald Reagan had been shot. He was leaving a hotel in Washington DC, turned to wave at some of the people gathered to see him, and fell towards the ground. Before he could hit the ground, his Secret Service Agents (iii) _____ him into the car and rushed to the nearest hospital. This same story had been heard before. On 22 November 1963 President John F Kennedy was riding in a motorcade through Dallas, Texas. He smiled and waved to the crowd that had gathered to see him. (iv) _____ rang out from a nearby building. The President collapsed into the backseat of the car and was immediately taken to the nearest hospital. He was (v) _____ dead at the hospital. Now, just seventeen years later, the news sounded eerily the same.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank No. (iv).

- Ans 1. Prayers
 2. Music
 3. Alarm
 4. Shots

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

On the afternoon of 30 March 1981, many Americans experienced a (i) _____ of déjà-vu. Déjà-vu is a name given to the feeling that a person has seen or experienced an event before. Many Americans could not help having that feeling on this day.

The (ii) _____ hit TVs and radios immediately. President Ronald Reagan had been shot. He was leaving a hotel in Washington DC, turned to wave at some of the people gathered to see him, and fell towards the ground. Before he could hit the ground, his Secret Service Agents (iii) _____ him into the car and rushed to the nearest hospital. This same story had been heard before. On 22 November 1963 President John F Kennedy was riding in a motorcade through Dallas, Texas. He smiled and waved to the crowd that had gathered to see him. (iv) _____ rang out from a nearby building. The President collapsed into the backseat of the car and was immediately taken to the nearest hospital. He was (v) _____ dead at the hospital. Now, just seventeen years later, the news sounded eerily the same.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank No. (v).

- Ans 1. shot
 2. pronounced
 3. acting
 4. almost

Q.10 Select the most appropriate ANTONYM of the given word.
Adverse

- Ans 1. Striking
 2. Critical
 3. Propitious
 4. Listless

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.

I will require a quiet room to work at.

- Ans 1. on
 2. in
 3. with
 4. about

Q.12 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

Lead paint is an environmental _____ (danger) and can harm children.

- Ans 1. hazard
 2. toil
 3. empathy
 4. conflict

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Gulliver hear his watch ticking in his pocket.

- Ans 1. could hear his watch ticked
 2. heard his watch tickling
 3. could hear his watch ticking
 4. watch ticking

Q.14 Select the most appropriate synonym of the given word.

Abscond

- Ans 1. Stay
 2. Annoy
 3. Flee
 4. Avoid

Q.15 Choose the most appropriate meaning of the given idiom.

Ace in the hole

- Ans 1. A lot to do
 2. A second chance to do something
 3. On the point of
 4. A hidden advantage

Q.16 Identify the most appropriate ANTONYM of the given word.

Lenient

- Ans 1. Kind
 2. Strict
 3. Rude
 4. Rowdy

Q.17 Select the most appropriate spelling of the underlined word in the given sentence.

Nobody could move on after such a scandalous allegation is made on them.

- Ans 1. skandelous
 2. scandalous
 3. scendulous
 4. scandelous

Q.18 Read the sentence carefully and select the synonym of the underlined word from the given alternatives.

The Television show was hosted by a young and vivacious woman called Laura.

- Ans 1. Liberal
 2. Energetic
 3. Legendary
 4. Atrocious

Q.19 Select the most appropriate option that can substitute the underlined segment in the given sentence.

In every country of the world, primary caregivers are the women of children and elders.

- Ans 1. women are the caregivers primary of
 2. the women primary caregivers are of
 3. women are the primary caregivers of
 4. primary caregivers women are of the

Q.20 Select the most appropriate synonym of the given word.

Confidential

- Ans 1. Public
 2. Secret
 3. Limited
 4. Open source

Q.21 Select the appropriate meaning of the given idiom.

Last resort

- Ans 1. Last ride
 2. Last friend remaining
 3. Last course of action
 4. Last hotel on the way

Q.22 Select the most appropriate synonym of the given word.

Interpret

- Ans 1. Clarify
 2. Cleanse
 3. Complicate
 4. Celebrate

Q.23 Select the most appropriate option to fill in the blank.

She _____ gracefully and greeted the interview committee with respect.

- Ans 1. smiled
 2. grinned
 3. leered
 4. smirked

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The woman lost much to her body weight due to diabetes.

- Ans 1. off her body weight due to
 2. from her body weight due to
 3. for her body weight due to
 4. of her body weight due to

Q.25 Select the INCORRECTLY spelt word.

- Ans 1. Ommision
 2. License
 3. Aspirant
 4. Autonomous

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(10, 20, 4)

(15, 30, 6)

Ans 1. (20, 30, 8)

2. (20, 40, 8)

3. (10, 40, 8)

4. (20, 40, 6)

Q.2 In a certain code language, 'mobile switched off' is written as 'rq mg cr' and 'turn off light' is written as 'my cp rq'. How is 'off' written in the given language?

Ans 1. cp

2. cr

3. rq

4. mg

Q.3 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$66 \times 11 - 26 + 3 \div 9 = ?$$

Ans 1. 5

2. 15

3. 8

4. 11

Q.4 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans 1. $\Lambda 50\partial 02$

2. V209G5

3. $\partial 0\partial 05V$

4. $\Lambda 509G5$

Q.5 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$16 - 33 + 11 \div 22 \times 5 = ?$$

- Ans**
- 1. 62
 - 2. 65
 - 3. 60
 - 4. 69

Q.6 HJKN is related to EGHK in a certain way based on the English alphabetical order. In the same way, QSTW is related to NPQT. To which of the following is IKLO related, following the same logic?

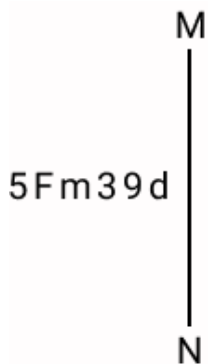
- Ans**
- 1. FHJL
 - 2. FHIK
 - 3. FGIL
 - 4. FHIL

Q.7 What is opposite to 'V' when the given figure is folded to form a cube?



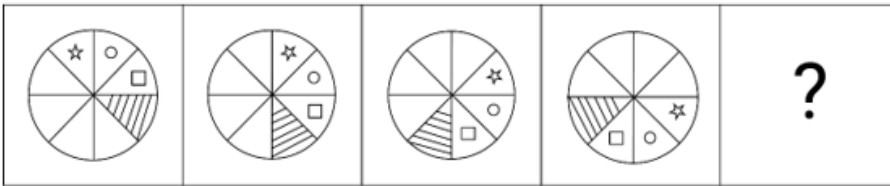
- Ans**
- 1. Z
 - 2. X
 - 3. W
 - 4. Y

Q.8 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- 1. 2Fm39d
 - 2. 5Fm39d
 - 3. 2Fm69d
 - 4. 5Fm39d

Q.9 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?



Ans

✓ 1.



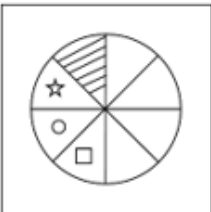
✗ 2.



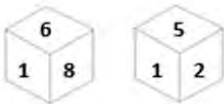
✗ 3.



✗ 4.



Q.10 Six numbers 1, 2, 5, 6, 8 and 9 are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the number on the face opposite to the face containing 8?



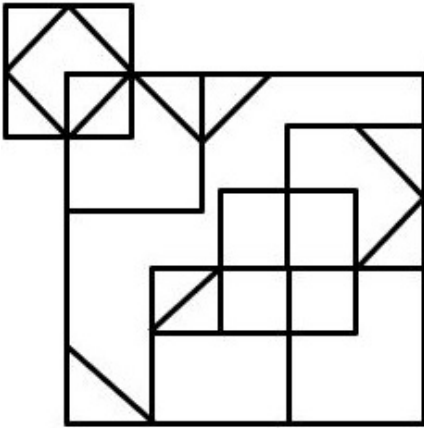
Ans ✗ 1. 1

✓ 2. 2

✗ 3. 9

✗ 4. 5

Q.11 How many triangles are there in the given figure?



- Ans
- 1. 11
 - 2. 12
 - 3. 13
 - 4. 14

Q.12 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. AFED
 - 2. R WVU
 - 3. PUTS
 - 4. IMNL

Q.13 If 3 April 1996 was Wednesday, then what was the day of the week on 7 April 2001?

- Ans
- 1. Saturday
 - 2. Sunday
 - 3. Friday
 - 4. Monday

Q.14 What should come in place of the question mark (?) in the given series?

499, 498, 490, 463, 399, ?

- Ans
- 1. 273
 - 2. 274
 - 3. 276
 - 4. 275

Q.15 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$333 \times 3 + 11 - 5 \div 5 = ?$$

- Ans
- 1. 192
 - 2. 152
 - 3. 125
 - 4. 175

Q.16 Which of the following letter numeric clusters will replace the question mark (?) in the given series to make it logically complete?

JX 26, KY 31, ?, PD 47, TH 58

- Ans
- 1. MA 38
 - 2. NA 38
 - 3. NB 37
 - 4. MB 37

Q.17 Select the correct option that when filled in the blanks in the same sequence will make the series logically complete.
TRIC TRI KT IWK R TK

- Ans
- 1. KATIR
 - 2. KBTIR
 - 3. KIRTA
 - 4. KZRTI

Q.18 If 15 January 2019 was a Tuesday, then what day of the week was it on 29 January 2020?

- Ans
- 1. Tuesday
 - 2. Thursday
 - 3. Wednesday
 - 4. Friday

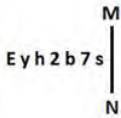
Q.19 'Z + Y' means 'Z is the father of Y'
'Z - Y' means 'Z is the mother of Y'
'Z × Y' means 'Z is the brother of Y'
'Z ÷ Y' means 'Z is the sister of Y'.
What does 'A × B - C' mean?

- Ans
- 1. A is the mother's brother of C
 - 2. A is the father's brother of C
 - 3. A is the father's father of C
 - 4. A is the father of C

Q.20 In a certain code language, 'MENIAL' is coded as 'NIEAML' and 'INCOME' is coded as 'CONMIE'. What is the code for 'FOREGO' in the given code language?

- Ans
- 1. REOGFO
 - 2. OFOREG
 - 3. OGEROF
 - 4. FOGERO

Q.21 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1.
 - 2.
 - 3.
 - 4.

Q.22 Which of the following numbers will replace the question mark (?) in the given series?

549 482 439 372 329 262 219 ?

- Ans
- 1. 152
 - 2. 132
 - 3. 149
 - 4. 162

Q.23 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All paints are houses.

All houses are wood.

Some streets are wood.

Conclusion (I): Some streets are houses.

Conclusion (II): All paints are wood.

- Ans
- 1. Neither conclusion (I) nor (II) follows.
 - 2. Both conclusions (I) and (II) follow.
 - 3. Only conclusion (I) follows.
 - 4. Only conclusion (II) follows.

Q.24 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ECZ, HFC, KIF, NLI, ?

- Ans
- 1. QLO
 - 2. OLQ
 - 3. OQL
 - 4. QOL

Q.25 72 is related to 96 following a certain logic. Following the same logic, 66 is related to 88. Which of the following numbers is related to 104 using the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- Ans
- 1. 80
 - 2. 77
 - 3. 78
 - 4. 75

Q.1 Two stations T1 and T2 300 km apart. A car starts from station T1 at 8 am and moves towards station T2 at a speed of 45km/hr. and at 10 am another car starts from station T2 towards T1 at a speed of 60km/hr. Then the cars will meet at:

- Ans**
- 1. 12:00 p.m.
 - 2. 11:00 a.m.
 - 3. 1:00 p.m.
 - 4. 10:00 a.m.

Q.2 In ΔPQR , S and T are points on PQ and PR, respectively, such that $ST \parallel QR$ and ST divides the ΔPQR into two parts of equal areas. Then the ratio of PS and QS is:

- Ans**
- 1. $1 : \sqrt{2}$
 - 2. $1 : 1$
 - 3. $1 : \sqrt{2} - 1$
 - 4. $1 : \sqrt{2} + 1$

Q.3 The internal length, breadth and height of a cardboard box are 6 cm, 10 cm and 12 cm, respectively. How many boxes are needed in which cubes whose volume is 2160 cm^3 can be packed?

- Ans**
- 1. 6
 - 2. 5
 - 3. 3
 - 4. 4

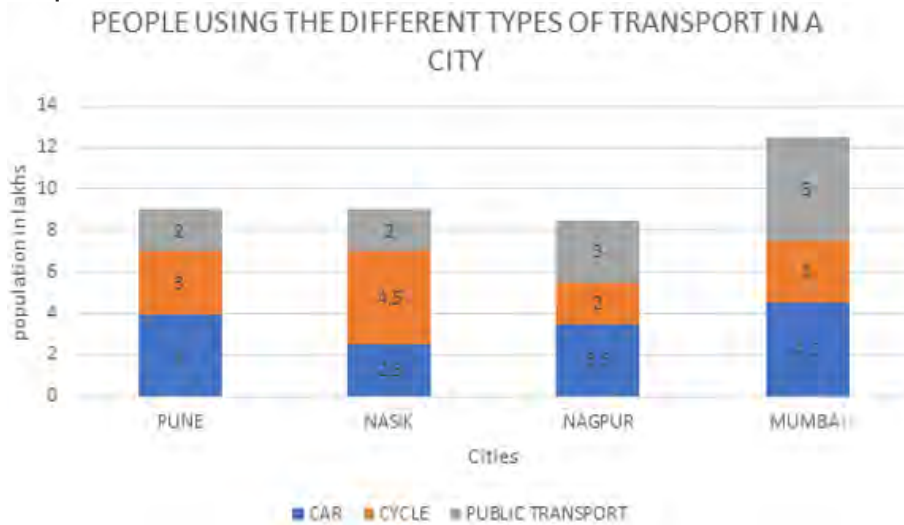
Q.4 The following table shows the production of cars in a company from 2016 to 2020.

Years	2016	2017	2018	2019	2020
A	30	23	39	25	18
B	16	10	14	12	8
C	15	18	19	25	30
D	31	12	21	19	20

There was a continuous increase in the production of cars of which type during the period 2016 to 2020?

- Ans**
- 1. B
 - 2. D
 - 3. C
 - 4. A

Q.5 Study the given chart based on the population using different types of transport in the given cities. Assuming that no person uses more than one type of transport, answer the question that follows.



What is the percentage of people using all types of transportation in Pune to the total number of people using all types of transportation in all cities?

- Ans
- 1. 22.08%
 - 2. 23.08%
 - 3. 33.08%
 - 4. 28.08%

Q.6 A and B are centres of two circles of radii 32 cm and 8 cm, respectively. CD is a direct common tangent to the circles. If the length of AB = 30 cm, then the length of CD will be:

- Ans
- 1. 10 cm
 - 2. 18 cm
 - 3. 20 cm
 - 4. 9 cm

Q.7 $(\cot \theta + \tan \theta)(\operatorname{cosec} \theta - \sin \theta)(\cos \theta - \sec \theta) = \underline{\hspace{2cm}}$.

- Ans
- 1. -1
 - 2. 2
 - 3. 0
 - 4. 1

Q.8 An 8 digit number is divisible by 99. If the digits are shuffled, then the number is always divisible by _____.

- Ans
- 1. 9
 - 2. 11
 - 3. 6
 - 4. 5

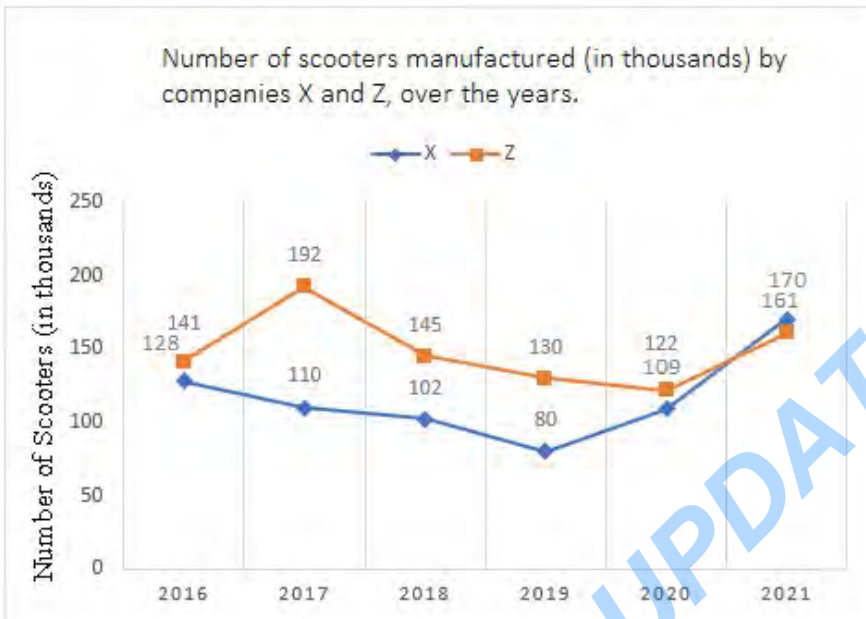
Q.9 A retail fruit vendor buys a score of apples for ₹400 and retails them for ₹264 at a dozen. What was his loss/gain per cent? (a score = 20 no's)

- Ans
- 1. 20% profit
 - 2. 5% loss
 - 3. 10% loss
 - 4. 10% profit

Q.10 In a circle with centre O, ABC is a secant intersecting the circle at A and B and DC is a tangent to the circle at D. If DC = 12 cm and BC = 6 cm, then the length of AB is equal to:

- Ans
- 1. 20 cm
 - 2. 16 cm
 - 3. 18 cm
 - 4. 22 cm

Q.11 The given line graph shows the number of scooters manufactured (in thousands) by companies X and Z, over the years.



What is the approximate difference between the total production by companies X and Z in the given years?

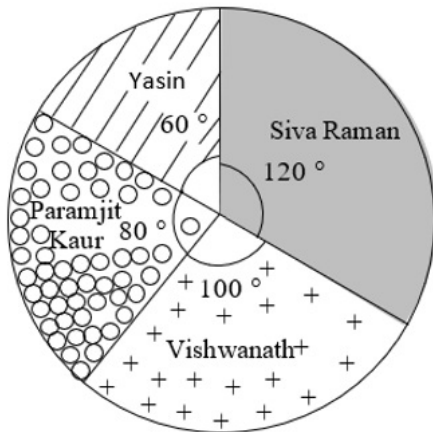
- Ans
- 1. 205000
 - 2. 292000
 - 3. 210000
 - 4. 192000

Q.12 A bus driver must complete a 240 km trip in 4 hours. If he averages 70 km an hour for the first 3 hours of his trip, how fast must he travel (in km/h) in the last/final hour?

- Ans
- 1. 50
 - 2. 60
 - 3. 30
 - 4. 35

Q.13 Study the given pie-chart and answer the question that follows.

The pie-chart represents the total number of valid votes obtained by four students who contested for school leadership. The total number of valid votes polled was 720.



What is the minimum number of votes obtained by any candidate?

- Ans** 1. 120
 2. 200
 3. 160
 4. 240

Q.14 Among the ratios 3 : 4, 5 : 8, 1 : 2, 6 : 9 which is the greatest?

- Ans** 1. 5 : 8
 2. 6 : 9
 3. 1 : 2
 4. 3 : 4

Q.15 The heights of two cones are in the ratio of 5 : 3 and their radii are in the ratio 6 : 5. Find the ratio of their volumes.

- Ans** 1. 10 : 5
 2. 13 : 5
 3. 12 : 5
 4. 11 : 5

Q.16 The marked price of an article is ₹600. A shopkeeper purchased it on two successive discounts of 10% and 20%. He spent ₹68 on transportation and sold the article for ₹600. Find his gain or loss percentage.

- Ans** 1. 15% Profit
 2. 20% Profit
 3. 18% Loss
 4. 25% Loss

Q.17 What is the present worth of ₹2,400 due in 4 years at a rate of 5% simple interest per annum?

- Ans** 1. ₹2,240
 2. ₹2,456
 3. ₹2,000
 4. ₹2,200

Q.18 In an election between two candidates, the defeated candidate secured 42% of the valid votes polled and lost the election by 2545800 votes. If 365500 votes were declared invalid and 30% people did not cast their vote, what was the approximate number of people (in millions) in the electorate who did NOT cast their votes?

Ans 1.7

2.8

3.6

4.5

Q.19 The length of the portion of the straight line $5x + 12y = 60$ intercepted between the axes is:

Ans 1.13

2.17

3.5

4.12

Q.20 If a circle whose centre is (2, 3) touches the line $4x + 3y - 7 = 0$, then the radius of the circle is:

Ans 1.1 unit

2.3 unit

3.4 unit

4.2 unit

Q.21 In an election between two candidates, a candidate who gets 78% of the votes is elected by a majority of 448 votes. What is the total number of votes polled?

Ans 1.800

2.750

3.850

4.700

Q.22 Joey completed the school project in 15 days. How many days will Tim take to complete the same work if he is 25% more efficient than Joey?

Ans 1.12 days

2.16 days

3.8 days

4.10 days

Q.23 When a number is divided by 512 it leaves a remainder 67. If the same number is divided by 32, then what will be the remainder?

Ans 1.5

2.0

3.4

4.3

Q.24 Monthly expenditure of Ritvik decreases from ₹12,800 to ₹11,712. Find the percentage decrease in his expenditure.

- Ans
- 1. 9.25%
 - 2. 8.5%
 - 3. 6.25%
 - 4. 7.7%

Q.25 If the radius of a sphere is doubled, then the volume of the sphere becomes _____ times the previous volume.

- Ans
- 1. two
 - 2. one
 - 3. eight
 - 4. four

Q.1 Which folk music of Jammu and Kashmir is sung in wedding ceremonies?

- Ans
- 1. Alha
 - 2. Wanawun
 - 3. Panihari
 - 4. Baul

Q.2 According to the Census of India, who are considered to be literates?

- Ans
- 1. Person aged five and above, who can both read and write with understanding in any language
 - 2. Person aged fifteen and above, who can both read and write with understanding in any language
 - 3. Person aged eighteen and above, who can both read and write with understanding in any language
 - 4. Person aged seven and above, who can both read and write with understanding in any language

Q.3 According to Census of India 2011, which of the following states recorded the least population?

- Ans
- 1. Punjab
 - 2. Tamil Nadu
 - 3. Gujarat
 - 4. Sikkim

Q.4 Which of the following statements is correct with respect to the Badminton game and match length?

- Ans
- 1. A match consists of the best of two games of 21 points.
 - 2. A match consists of the best of five games of 21 points.
 - 3. A match consists of the best of three games of 21 points.
 - 4. A match consists of the best of four games of 21 points.

Q.5 Which is the largest part of the northern plains and is formed of older alluvium?

- Ans
- 1. Terai
 - 2. Bhabar
 - 3. Bhangar
 - 4. Khadar

Q.6 What kind of technology is most frequently used to manage and digitise e-land records?

- Ans
- 1. Virtual Reality (VR)
 - 2. Blockchain
 - 3. Augmented Reality (AR)
 - 4. Geographic Information System (GIS)

Q.7 Which of the following statements are true?

- i. The First Five-Year Plan was based on the PC Mahalanobis model.
- ii. The First Five-Year Plan laid emphasis on agriculture development.
- iii. The Five-Year planning model in India was borrowed from Russia.

- Ans
- 1. Only i and iii
 - 2. Only ii and iii
 - 3. Only i and ii
 - 4. i, ii and iii

Q.8 What is the main sense organ that virtual reality displays are aiming for?

- Ans
- 1. Taste
 - 2. Smell
 - 3. Vision
 - 4. Touch

Q.9 Which of the following Indian classical dances has originated from Andhra Pradesh?

- Ans
- 1. Odissi
 - 2. Kuchipudi
 - 3. Kathakali
 - 4. Mohiniattam

Q.10 Jamshedi Navroz is a festival of _____ community.

- Ans
- 1. Christian
 - 2. Hindu
 - 3. Parsi
 - 4. Jain

Q.11 Who was the first female Indian wrestler to win Gold at the Commonwealth Games?

- Ans
- 1. Babita Phogat
 - 2. Alka Tomar
 - 3. Geeta Phogat
 - 4. Sakshi Malik

Q.12 In 2000-01, NABARD instituted Micro Finance Development Fund with a corpus of _____.

- Ans
- 1. ₹189 crores
 - 2. ₹245 crores
 - 3. ₹150 crores
 - 4. ₹100 crores

Q.13 In May 2023, the Supreme Court of India issued a set of directions to strengthen the POSH Act. To which of the following is this Act related?

- Ans
- 1. Sexual harassment of women at workplace
 - 2. Food security
 - 3. Amenities in jails
 - 4. Child trafficking

Q.14 Which from following unemployment scheme was extended by the government of India for a period of two years from July 2022 to June 2024?

- Ans
- 1. Grameen Udyami Yojana
 - 2. Aatmanirbhar Bharat Rojgar Yojana
 - 3. Pradhan Mantri Berojgari Bhatta Yojana
 - 4. Atal Beemit Vyakti Kalyan Yojana

Q.15 Certiorari comes under the:

- Ans
- 1. right to religious freedom
 - 2. right to constitutional remedies
 - 3. right against exploitation
 - 4. right to equality

Q.16 Which state is introduced India's first 'Right to Health Care Act, 2022'?

- Ans
- 1. Chhattisgarh
 - 2. Kerala
 - 3. Assam
 - 4. Rajasthan

Q.17 Indian athlete Shaili Singh won bronze medal in women's long jump at the Golden Grand Prix 2023 athletics meet held at _____.

- Ans
- 1. Singapore
 - 2. Japan
 - 3. Malaysia
 - 4. South Korea

Q.18 _____ Fundamental Duties were added in Part-IV of the Constitution under Article 51-A in the year 1976 through the 42nd Constitutional Amendment.

- Ans 1. Nine
 2. Eight
 3. Ten
 4. Twelve

Q.19 Which of the following statements about climate is INCORRECT?

- Ans 1. India's climate has characteristics of tropical as well as subtropical climates.
 2. Coastal areas of India experience less contrasts in temperature conditions as compared to the interior of the country.
 3. 'Monsoon' type of climate is found mainly in south and southeast Asia.
 4. India experiences comparatively stronger winters as compared to central Asia.

Q.20 The Ghadar Party was founded in _____ by Sohan Singh Bhakna, Kanshi Ram, Harnam Singh Tundilat, Lala Har Dayal and others.

- Ans 1. 1913
 2. 1910
 3. 1901
 4. 1905

Q.21 Match the following names of primitive forms of cultivation in different states correctly.

States	Name of Primitive form of cultivation
1. Madhya Pradesh	a. Penda
2. Andhra Pradesh	b. Bewar
3. Odisha	c. Kuruwa
4. Jharkhand	d. Bringa

- Ans 1. 1-a, 2-b, 3-d, 4-c
 2. 1-b, 2-a, 3-d, 4-c
 3. 1-b, 2-a, 3-c, 4-d
 4. 1-a, 2-b, 3-c, 4-d

Q.22 The Yakshagana is the dance-drama primarily associated with which of the following states?

- Ans 1. Bihar
 2. Odisha
 3. Himachal Pradesh
 4. Karnataka

Q.23 In which year did Hans Christian Oersted discover that a compass needle gets deflected when an electric current passes through a metallic wire placed nearby?

- Ans 1. 1820
 2. 1824
 3. 1826
 4. 1822

Q.24 Which of the following enzymes are essential of DNA replication in an animal cell?

- Ans**
- 1. Reverse transcriptase, RNA polymerase, Ligase
 - 2. Reverse transcriptase, DNA polymerase, DNA primase
 - 3. Topoisomerase, DNA ligase, DNA polymerase, DNA primase
 - 4. Reverse transcriptase, DNA polymerase, Ligase

Q.25 Balban followed the tradition of 'Sijda and Pabos' from which of following traditions?

- Ans**
- 1. Persian
 - 2. Roman
 - 3. Mangol
 - 4. Chinese

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Zoo Park Tirupathi
Exam Date	03/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
 Urgent activities are those things / that you must do immediately, / as they require quick action / and cannot be put on.

- Ans
- 1. as they require quick action
 - 2. and cannot be put on
 - 3. that you must do immediately
 - 4. Urgent activities are those things

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
 (1) When Christy (2) grew out, (3) he turned out (4) to be a gentleman.

- Ans
- 1. 3
 - 2. 4
 - 3. 1
 - 4. 2

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.
 The meeting / will taking / place next / Wednesday.

- Ans
- 1. place next
 - 2. will taking
 - 3. Wednesday.
 - 4. The meeting

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
 Rashmi was / quite amusing when / she heard about / what had happened.

- Ans
- 1. she heard about
 - 2. quite amusing when
 - 3. Rashmi was
 - 4. what had happened

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1

- Ans 1. interesting
 2. exciting
 3. surprising
 4. frustrating

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

- Ans 1. tiring
 2. interesting
 3. wandering
 4. worrying

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

- Ans 1. convince
 2. discover
 3. enhance
 4. commit

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. attempt
 2. lead
 3. announce
 4. imagine

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. focussed
 2. dazzling
 3. cautious
 4. joyful

Q.10 Select the INCORRECTLY spelt word.

- Ans 1. Schedule
 2. Miserable
 3. Reformation
 4. Litratrue

Q.11 Select the most appropriate ANTONYM of the word 'Contaminate' from the given sentence.

She spent the entire night working non-stop to clean the blood stains from the rug.

- Ans 1. rug
 2. clean
 3. working
 4. spent

Q.12 Select the option that can substitute the bracketed word segment meaningfully.
 The city of Hyderabad is located (on the heart from Telangana).

- Ans 1. with the heart in Telangana
 2. in the heart with Telangana
 3. in the heart of Telangana
 4. of the heart in Telangana

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

There is no way I can swallow the ghastly medicine.

- Ans
- 1. agreeable
 - 2. horrible
 - 3. pleasant
 - 4. comforting

Q.14 Select the most appropriate synonym of the given word.
Frivolity

- Ans
- 1. Consequence
 - 2. Substantial
 - 3. Insignificance
 - 4. Meaningful

Q.15 Select the most appropriate meaning of the given idiom.
Have a bee in your bonnet

- Ans
- 1. Unable to stay at a place for long
 - 2. To keep worrying about yourself
 - 3. Be preoccupied or obsessed with something
 - 4. Having a cruel intention or grudge against someone

Q.16 Select the most appropriate ANTONYM of the given word.
Fastidious

- Ans
- 1. Lax
 - 2. Late
 - 3. Scrupulous
 - 4. Speedy

Q.17 Select the option that will improve the underlined part of the given sentence.

I was looking for a barren seat in the bus but could not find one.

- Ans
- 1. vacuous seat
 - 2. hollow seat
 - 3. deserted seat
 - 4. vacant seat

Q.18 Select the most appropriate meaning of the given idiom.
Stick to one's guns

- Ans
- 1. To become unfaithful to
 - 2. To become a rebel
 - 3. To shoot at
 - 4. To remain faithful to

Q.19 Select the most appropriate option that can replace the bracketed word segment in the following sentence.

An (imperfect positioning) of the Sun, Earth and Moon results in the Moon passing through only part of Earth's umbra, resulting in a partial lunar eclipse.

- Ans
- 1. imperfect revolution
 - 2. imperfect allegiance
 - 3. imperfect alignment
 - 4. imperfect alliance

Q.20 Select the INCORRECTLY spelt word.

- Ans
- 1. Immigrete
 - 2. Relevant
 - 3. Professional
 - 4. Combat

Q.21 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The new chief is gifted at the power of eloquence.

- Ans
- 1. gifted of
 - 2. gifted with
 - 3. gifted among
 - 4. gifted for

Q.22 Select the most appropriate ANTONYM of the underlined word in the given sentence. Anthony Trollope was an industrious and disciplined writer.

- Ans
- 1. Lazy
 - 2. Dizzy
 - 3. Skittish
 - 4. Exhausting

Q.23 Select the most appropriate option that can substitute the underlined word in the given sentence.

The recent cloudburst completely dismantled the village and its people.

- Ans
- 1. took up
 - 2. took apart
 - 3. took back
 - 4. took after

Q.24 Select the most appropriate ANTONYM of the underlined word in the given sentence. Please don't touch that, it's flammable .

- Ans
- 1. Fire-resistant
 - 2. Incendiary
 - 3. Nonexplosive
 - 4. Non-combustible

Q.25 Select the most appropriate option to fill in the blank.

My sister's paintings were _____ at the national museum.

- Ans
- 1. in display
 - 2. on display
 - 3. into display
 - 4. upon display

Q.1 In a certain code language, 'COVER' is coded as '9 - 45 - 66 - 15 - 54' and 'BOAST' is coded as '6 - 45 - 3 - 57 - 60'.
What is the code for 'APRON' in the given code language?

- Ans
- 1. 3-48-54-45-42
 - 2. 4-47-53-42-40
 - 3. 2-46-52-40-41
 - 4. 2-46-52-44-40

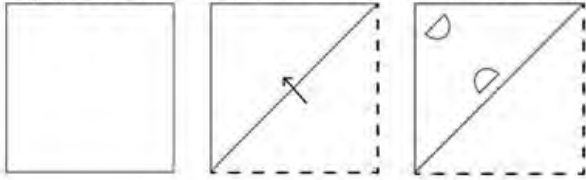
Q.2 What should come in place of the question mark (?) in the given series?

91, 100, 109, 118, 127, ?

- Ans
- 1. 136
 - 2. 135
 - 3. 137
 - 4. 138

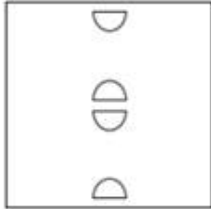
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Q.3 A paper is folded and cut as shown below. How will it appear when unfolded?

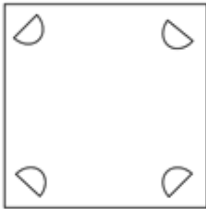


Ans

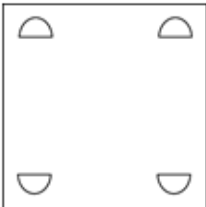
1.



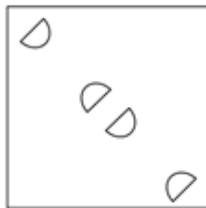
2.



3.



4.



Q.4 In a certain code language,
 'A @ B' means 'A is the husband of B',
 'A # B' means 'A is the mother of B',
 'A & B' means 'A is the sister of B'.
 Based on the above, how is T related to P if 'P @ Q # R & S @ T'?

Ans 1. Son's wife

2. Daughter

3. Wife's sister

4. Sister

Q.5 What should come in place of ? in the given series based on the English alphabetical order?

PHO SRP VBQ ? BVS

Ans 1. CFE

2. VXY

3. YLR

4. UMO

Q.6 Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.

AB_Z DEF_ G_IX JKL_ M_OV

Ans 1. CYHWN

2. CYGWN

3. YGHVN

4. CYHVN

Q.7 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/consonants/vowels in the word.)

Pleasure : Delight

Ans 1. Silly : Serious

2. Rain : Sky

3. Demolish : Destroy

4. Knowledge : Book

Q.8 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$198 \times 9 + 29 - 7 + 10 = ?$$

Ans 1. 60

2. 62

3. 61

4. 63

Q.9 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(245, 49, 5)

(144, 9, 16)

Ans 1. (186, 21, 8)

2. (246, 9, 28)

3. (200, 8, 25)

4. (312, 24, 9)

Q.10 Which of the following numbers will replace the question mark (?) in the given series?

7 28 84 336 1008 ?

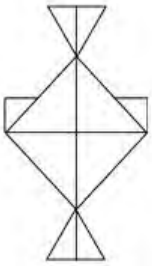
Ans 1. 4032

2. 3902

3. 3036

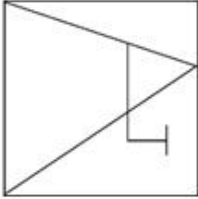
4. 4128

Q.11 Select the option that is embedded in the given figure (rotation is NOT allowed).

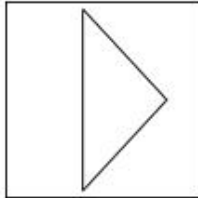


Ans

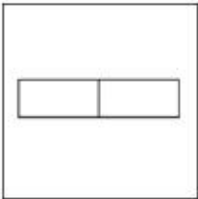
1.



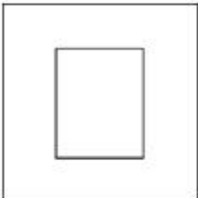
2.



3.

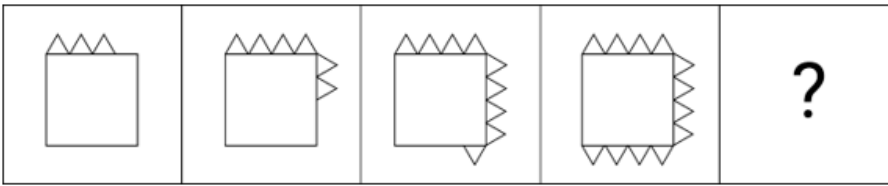


4.



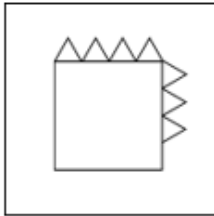
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Q.12 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

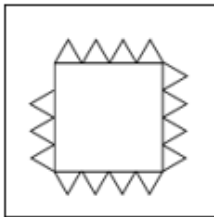


Ans

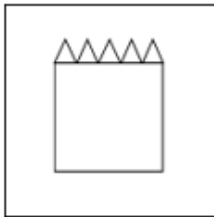
1.



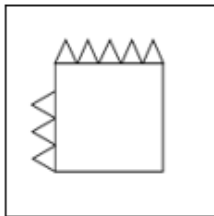
2.



3.



4.



Q.13 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Proud : Arrogant

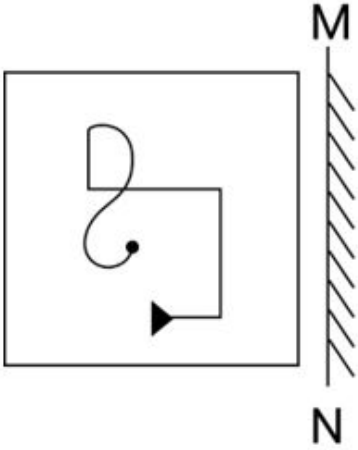
Ans 1. Authentic : Genuine

2. Offend : Praise

3. Trust : Doubt

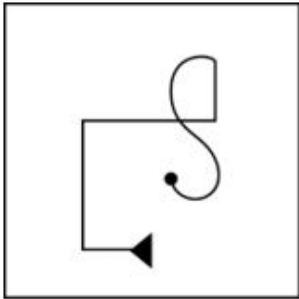
4. Wise : Ignorant

Q.14 Select the correct mirror image of the given figure when the mirror is placed at MN.

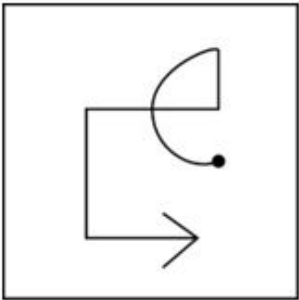


Ans

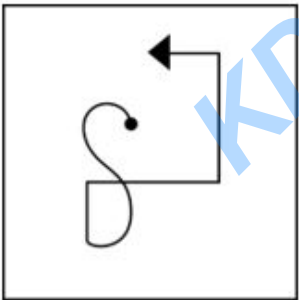
✓ 1.



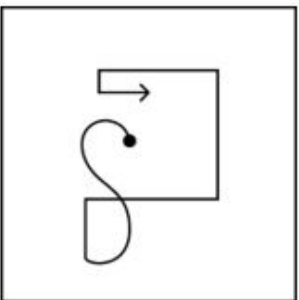
✗ 2.



✗ 3.



✗ 4.



Q.15 'D + E' means 'D is the father of E'
 'D - E' means 'D is the sister of E'
 'D × E' means 'D is the mother of E'
 'D ÷ E' means 'D is the brother of E'.
 Which of the following represents 'K is the brother's daughter of L'?

- Ans 1. $U + F + K + P$
 2. $L \div Z \times X - K$
 3. $K - L \times X \div U$
 4. $L - F + K - P$

Q.16 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

No pen is a scale.

All scales are erasers.

All pens are calculators.

Conclusions:

I. Some erasers are calculators.

II. No pen is an eraser.

III. No scale is a calculator.

- Ans 1. Neither conclusions I, II nor III follows.
 2. All conclusions I, II and III follow.
 3. Both conclusions I and II follow.
 4. Both conclusions II and III follow.

Q.17 In a certain code language, COMB is coded as 2681 and MOBE is coded as 8163. What is the code of E in that language?

- Ans 1. 6
 2. 3
 3. 1
 4. 8

Q.18 If 'Z' stands for '+', 'H' stands for '×', 'M' stands for '+' and 'T' stands for '-', what will come in place of the question mark (?) in the following equation?
 $52 M 36 Z 18 T 46 H 19 = ?$

- Ans 1. -654
 2. -754
 3. -820
 4. -898

Q.19 The position of how many letters will remain unchanged if each of the letters in the word MENTOR is arranged in the alphabetical order?

- Ans 1. One
 2. None
 3. Two
 4. Three

Q.20 If 17 August 2003 was a Sunday, then what was the day of the week on 12 September 2014?

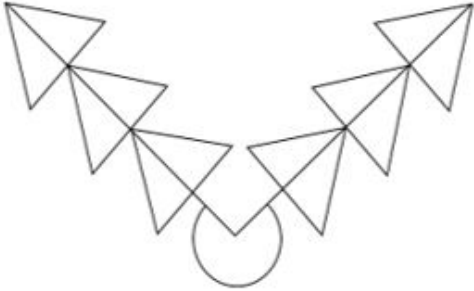
- Ans
- 1. Monday
 - 2. Wednesday
 - 3. Sunday
 - 4. Friday

Q.21 100 is related to 20 following a certain logic. Following the same logic, 250 is related to 50. To which of the following is 550 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- Ans
- 1. 105
 - 2. 115
 - 3. 110
 - 4. 100

Q.22 How many triangles are there in the given figure?



- Ans
- 1. 18
 - 2. 15
 - 3. 16
 - 4. 20

Q.23 If 'H' stands for '+', 'A' stands for '+', 'B' stands for '-' and 'L' stands for '×', what will come in place of the question mark (?) in the following equation?

$$84 H 42 A 63 L 46 B 23 = ?$$

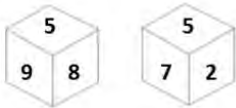
- Ans
- 1. 2482
 - 2. 2877
 - 3. 2864
 - 4. 4632

Q.24 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. Wa3hrE
 - 2. E1436W
 - 3. E1436W
 - 4. hrE36W

Q.25 Six numbers 2, 3, 5, 7, 8 and 9 are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the number on the face opposite to the face containing 5?



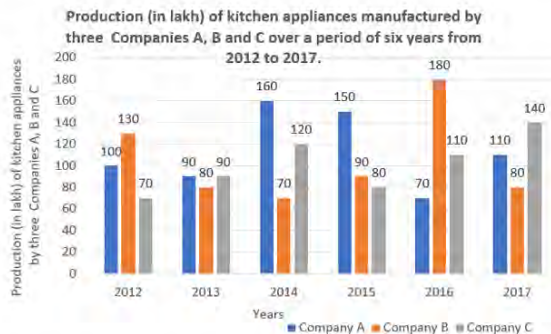
- Ans
- 1. 3
 - 2. 8
 - 3. 9
 - 4. 2

Q.1 The curved surface area of a right circular cylinder of height 14 cm, is 88 cm^2 . Find the total surface area of the cylinder.

- Ans
- 1. $\frac{360}{7} \text{ cm}^2$
 - 2. $\frac{660}{7} \text{ cm}^2$
 - 3. $\frac{560}{7} \text{ cm}^2$
 - 4. $\frac{460}{7} \text{ cm}^2$

Q.2 Study the given bar-graph and answer the question that follows.

The bar-graph shows the production (in lakh) of kitchen appliances manufactured by three companies A, B, and C over a period of six years from 2012 to 2017.



What is the difference (in lakh) between the average production of company B during the period 2012 to 2017 and the combined average of the production of company A in 2012, 2014, 2015 and the production of company C in 2014, 2016 and 2017, respectively?

- Ans**
- 1. 30
 - 2. 25
 - 3. 40
 - 4. 50

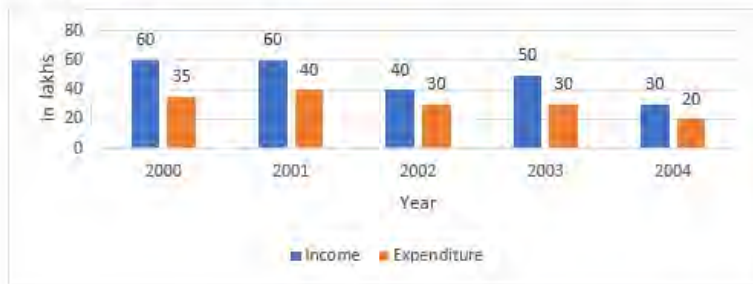
Q.3 A sells a bike to B at 45% profit. Then B sells it to C at 30% profit. If C pays ₹43,355, then what is the cost price of the bike for A?

- Ans**
- 1. ₹21,000
 - 2. ₹23,000
 - 3. ₹27,000
 - 4. ₹29,000

Q.4 Two circles touch each other externally at M. PQ is a direct common tangent to the two circles, P and Q are points of contact and $\angle MPQ = 38^\circ$. $\angle MQP$ is:

- Ans**
- 1. 38°
 - 2. 42°
 - 3. 52°
 - 4. 48°

Q.5 Study the following bar chart, which represents the income and expenditure of a company.



What is the difference of profit between the years 2001 and 2002?

- Ans**
- 1. 10 lakhs
 - 2. 5 lakhs
 - 3. 15 lakhs
 - 4. 2 lakhs

Q.6 By selling an article at 66% of its marked price, a merchant makes a profit of 10%. If he sells the article at 80% of its marked price, then the profit percentage will be:

- Ans**
- 1. $33\frac{1}{3}\%$
 - 2. 25 %
 - 3. $33\frac{2}{3}\%$
 - 4. 20 %

Q.7 Find the value of the following expression.

$$\sin(30 + \theta) - \cos(60 - \theta)$$

- Ans**
- 1. $\frac{\sqrt{3}}{2}$
 - 2. $2\sin(30 + \theta)$
 - 3. 1
 - 4. 0

Q.8 The area of a rectangular field is 3600 m^2 . If the field is 45 m long, what is its perimeter?

- Ans**
- 1. 255 m
 - 2. 260 m
 - 3. 250 m
 - 4. 265 m

Q.9 In a right-angled triangle ABC such that $\angle BAC = 90^\circ$ and AD is perpendicular to BC. If the area of $\triangle ABC$ is 63 cm^2 , area of $\triangle ACD = 7 \text{ cm}^2$, and $AC = 5 \text{ cm}$, then the length of BC is equal to:

- Ans**
- 1. 10 cm
 - 2. 18 cm
 - 3. 12 cm
 - 4. 15 cm

Q.10 The value of $(17 + 15) \div 2 - 11 + 16 \times 4 - 28 + 13(-16 + 13)$ is:

- Ans**
- 1. 2
 - 2. 0
 - 3. 3
 - 4. 1

Q.11 A, B, C are three points such that $AB = 11 \text{ cm}$, $BC = 13 \text{ cm}$ and $AC = 24 \text{ cm}$. Number of circles passing through the points A, B, C is:

- Ans**
- 1. 0
 - 2. 1
 - 3. 2
 - 4. 3

Q.12 A policeman starts chasing a thief who is 500 m ahead of him. The speed of the thief is 18 km/h, and the speed of the policeman is 36 km/h. Find the time taken by the policeman to catch the thief.

- Ans**
- 1. 150 sec
 - 2. 250 sec
 - 3. 300 sec
 - 4. 100 sec

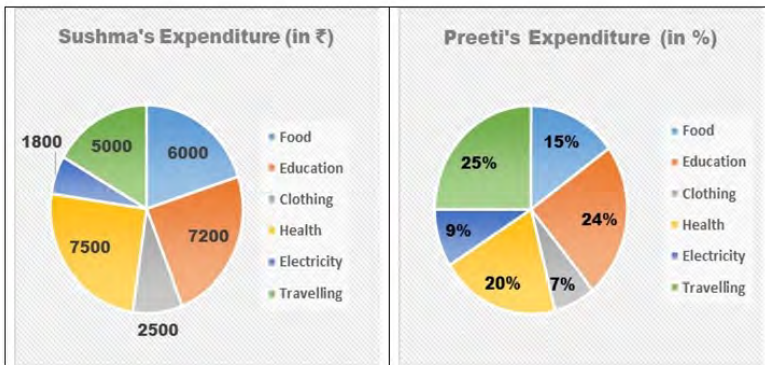
Q.13 If the surface area of cuboid is 108 m^2 , then find the height of the cuboid, whose length is 6 m and breadth is 3 m.

- Ans**
- 1. 5.5 m
 - 2. 5 m
 - 3. 4.5 m
 - 4. 4 m

Q.14 18 men can complete $\frac{1}{5}$ of a work in 10 days. How many people are required to complete $\frac{2}{5}$ of the same work in 5 days?

- Ans**
- 1. 72
 - 2. 90
 - 3. 36
 - 4. 54

Q.15 Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.



What is the ratio of central angles of expenditure on Education incurred by Sushma and Preeti?

- Ans
- 1. 1:1
 - 2. 1:2
 - 3. 2:3
 - 4. 2:1

Q.16 A circle of diameter 26 cm has two equal parallel chords of length 10 cm each, then the distance between the two chords is:

- Ans
- 1. 21 cm
 - 2. 24 cm
 - 3. 26 cm
 - 4. 23 cm

Q.17 The salaries of T in twelve months of a year are: ₹12,000, ₹12,000, ₹12,000, ₹15,000, ₹15,000, ₹15,000, ₹21,000, ₹21,000, ₹21,000, ₹30,000, ₹30,000, ₹30,000. The average salary of T per month in ₹ is _____.

- Ans
- 1. 19500
 - 2. 18500
 - 3. 18000
 - 4. 19000

Q.18 Ramana spends 75% of his income. His income is increased by 25% and he increases his expenditure by 10%. By what percentage are his savings increased?

- Ans
- 1. 50%
 - 2. 60%
 - 3. 40%
 - 4. 70%

Q.19 If $a : b = 3 : 7$ and $b : c = 4 : 9$, then find $a : b : c$.

Ans 1. 12 : 28 : 63

2. 3 : 28 : 63

3. 12 : 28 : 9

4. 3 : 28 : 9

Q.20 Find the remainder when $179 \times 172 \times 173$ is divided by 17.

Ans 1. 2

2. 9

3. 3

4. 6

Q.21 A person wants to buy 10 chairs. The total cost of 10 chairs is ₹4,500. After bargaining, the shopkeeper agrees to decrease the cost of each chair by 20%. Then, the person purchased 10% more chairs. What will be the cost of the chairs that he purchased?

Ans 1. ₹3,960

2. ₹3,260

3. ₹3,900

4. ₹4,100

Q.22 A man invested a sum of ₹5,000 on simple interest for 5 years such that the rate of interest for the first 2 years is 10% per annum, for the next 3 years it is 12% per annum. How much interest (in ₹), will he earn at the end of 5 years?

Ans 1. 3180

2. 3000

3. 2450

4. 2800

Q.23 A fraction $\frac{3}{5}$ is decreased by $\frac{2}{5}$. The resulting fraction is then increased by 20%. What is the percentage decrease/increase in the value of the original fraction?

Ans 1. Increase, 60%

2. Increase, 50%

3. Decrease, 60%

4. Decrease, 50%

Q.24 What is the area of the region created by the two linear equations $2x + y = 6$ and $2x - y = -2$ bounded by these lines and the x-axis?

Ans 1. 8 sq. units

2. 5 sq. units

3. 3 sq. units

4. 6 sq. units

Q.25 The following table shows admitted students in an institute during the academic years 2015 to 2020 in different courses.

Academic year	Engineering	Science	Arts	Management
2015	1200	850	450	240
2016	1362	821	525	275
2017	1351	870	624	286
2018	1409	921	615	293
2019	1421	931	795	300
2020	1400	950	750	320

Which course had the highest growth rate (in percentage) during the period from 2015 to 2020?

- Ans**
- 1. Management
 - 2. Science
 - 3. Engineering
 - 4. Arts

Q.1 In field hockey, in a penalty stroke, an attacker shoots at goal from _____ yards away in a one-on-one confrontation with the goalkeeper.

- Ans**
- 1. 10
 - 2. 8
 - 3. 7
 - 4. 9

Q.2 The number of Indian athletes who participated in the Tokyo Paralympics 2020 was _____.

- Ans**
- 1. 57
 - 2. 56
 - 3. 54
 - 4. 55

Q.3 According to Census of India 2011, what was the sex ratio recorded in the Union Territory of Puducherry?

- Ans**
- 1. 890 females/1000 males
 - 2. 980 females/1000 males
 - 3. 1037 females/1000 males
 - 4. 1095 females/1000 males

Q.4 In which year was the first underground section (Vishwavidyalaya- Kashmere Gate) of the Golden Route opened in New Delhi?

- Ans**
- 1. 2004
 - 2. 2000
 - 3. 1998
 - 4. 1997

Q.5 Guru Vempati Chinna Satyam is a famous dancer of _____ dance form of India.

- Ans 1. Bharatanatyam
 2. Kuchipudi
 3. Manipuri
 4. Odissi

Q.6 The Ultimate Kho-Kho League was started in which year?

- Ans 1. 2021
 2. 2022
 3. 2023
 4. 2020

Q.7 In MS-Word, a number printed above the base line is called _____.

- Ans 1. superscript
 2. strikethrough
 3. subscript
 4. above BL

Q.8 Who among the following launched the digital platform 'FASTER'?

- Ans 1. Finance Minister
 2. President
 3. Chief Justice of India
 4. Prime Minister

Q.9 The Green Revolution was due to the introduction of:

- Ans 1. fisheries
 2. irrigation
 3. high yielding varieties of seeds
 4. fertilisers

Q.10 Which Article of the Constitution mentions that "the Parliament consists of the President and two Houses known as the Council of States (Rajya Sabha) and the House of the People (Lok Sabha)"?

- Ans 1. 79
 2. 82
 3. 73
 4. 70

Q.11 Which of the following statement(s) is/are INCORRECT vis-à-vis features of the Indian Constitution?

- 1) Though India has a federal system, the Constitution does not mention the word 'federation'.
- 2) Article 5 of the Constitution says that the Parliament by law can create a new state.
- 3) On the subjects in the Union list, each State Legislature can enact laws for the State.
- 4) Both the Parliament and State Legislature can pass laws on subjects in concurrent list.

Ans 1. 1 and 4

2. 2 and 3

3. Only 1

4. 1 and 3

Q.12 Under which Gharana do the composition of blend of Khayal and Dhrupad-Dhamar styles come?

Ans 1. Indore Gharana

2. Patiala Gharana

3. Agra Gharana

4. Gwalior Gharana

Q.13 Kiran Nadar was conferred with the highest civilian award of which country in April 2023?

Ans 1. Egypt

2. France

3. Poland

4. Germany

Q.14 Indian Constitution came into force on _____ and is celebrated as Republic Day.

Ans 1. 26 Jan 1950

2. 26 Jan 1951

3. 26 Feb 1950

4. 26 Jan 1948

Q.15 The colour of the surface of Mars is red because of the presence of large amounts of chemical compounds in it. What is the name of that compound?

Ans 1. Magnesium oxide

2. Tin oxide

3. Iron oxide

4. Nitrogen oxide

Q.16 How many censuses had been completed in India as of year 2011?

Ans 1. 15

2. 7

3. 12

4. 16

Q.17 The famous book 'Sangraha Choodamani', which deals with the current system of Carnatic music was written by:

- Ans 1. Damodara Misra
 2. Haripala
 3. Matanga
 4. Govindacharya

Q.18 Name the digital payment platform launched in 2021 by the National Payments Corporation of India (NPCI) in association with Department of Financial Services (DFS), National Health Authority (NHA) and Ministry of Health and Family Welfare (MoHFW).

- Ans 1. YONO
 2. Dhani
 3. MobiKwik
 4. e-RUPI

Q.19 Which Pala ruler temporarily occupied Kanauj?

- Ans 1. Dharmapala
 2. Gopala
 3. Harapala
 4. Devapala

Q.20 We can add a table in an MS Word document from which of the following tabs?

- Ans 1. Home Tab
 2. Design Tab
 3. Insert Tab
 4. View Tab

Q.21 What do you mean by semiconservative DNA replication?

- Ans 1. DNA is dependent on RNA for the synthesis of proteins
 2. RNA is dependent on DNA for the synthesis of proteins
 3. After the completion of replication, each DNA molecule would have one parental and one newly synthesised strand.
 4. After the completion of replication, each DNA molecule would have two parental and two newly synthesised strand.

Q.22 What was the name of Swami Vivekanand's guru?

- Ans 1. Swami Ram Singh
 2. Aadi Shankaracharya
 3. Swami Dayanand
 4. Ramakrishna Paramhansa

Q.23 Who was appointed as the Chief Economic Advisor to the Government of India in the year 2022?

- Ans 1. Krishnamurthy Subramanian
 2. S Somanath
 3. V Anantha Nageswaran
 4. R Rangarajan

Q.24 Which of the following statements best describes the Hardy Schulze rule?

- Ans** 1. The amount of electrolyte required for the coagulation of a definite amount of a colloidal solution is dependent on the valency of the coagulating ion.
2. This is applied to obtain a colloidal solution of metals such as gold, silver or platinum.
3. The ions are removed from the solution by the phenomenon of diffusion through a permeable membrane.
4. The partial pressure of a component in a liquid mixture is proportional to its mole fraction in that mixture.

Q.25 Which river is known as the sorrow of Bihar?

- Ans** 1. Mahi
2. Kosi
3. Son
4. Betwa

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	Bharat Institute of Technology
Exam Date	03/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains an **INCORRECT** preposition.
Please remember to take / your notice to the reception area / if you want it to be displayed / upon the bulletin board.

- Ans**
- 1. upon the bulletin board
 - 2. if you want it to be displayed
 - 3. your notice to the reception area
 - 4. Please remember to take

Q.2 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

Don't go / outside / because it is / raining heavy.

- Ans**
- 1. raining heavy.
 - 2. Don't go
 - 3. outside
 - 4. because it is

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.

Today she said to her friend, "You're the sweetest person I have met ever".

- Ans**
- 1. I have met ever".
 - 2. her friend, "You're
 - 3. Today she said to
 - 4. the sweetest person

Q.4 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

The class / teacher was / wounded in / a leg.

- Ans**
- 1. The class
 - 2. wounded in
 - 3. teacher was
 - 4. a leg.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows. The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. life
 2. being
 3. living
 4. entity

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows. The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. creates
 2. develops
 3. nourishes
 4. links

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows. The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. absorbing
 2. intriguing
 3. escalating
 4. diverting

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows. The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. discrete
 2. sharp
 3. distinct
 4. separate

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The tuatara, which lives on New Zealand's islands, is affectionately known as Living fossil. It is called that because it is the only (1)_____ reptile in a group of reptiles that dates back about 220 million years to the time of the dinosaurs. The colour of the tuatara is grey or olive green. It (2)_____ to a length of around 60 cm. The fact that this lizard has three eyes is its most (3)_____ feature. The pineal eye is the name given to the cone-shaped third eye. This eye is in a space between the brain and head. It has an eyelid over the third eye, which closes on a horizontal level. The tuatara has teeth that are (4)_____ from those of other reptiles. The lower jaw has only one row of teeth, while the upper jaw has two rows. The tuatara is most active at night. It eats the eggs of birds, frogs, rats and insects. A tuatara's average lifespan is less than 77 years, but some species can live up to 100 years. In the spring, the female tuatara lays 8 to 15 eggs. These eggs are (5)_____ during summer.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. fertilised
 2. pollinated
 3. fructified
 4. germinated

Q.10 Read the sentence carefully and select the synonym of the underlined word from the given alternatives.

Everyone revered my austere father who was the high priest of the famous Shiva temple.

- Ans 1. Morose
 2. Aged
 3. Stern
 4. Composed

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Little that I knew of the English language was not sufficient to make me an English teacher.

- Ans 1. The little
 2. So little
 3. Very little
 4. A little

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution'.

He was the fastest between all the contestants.

- Ans 1. No substitution
 2. since
 3. amongst
 4. from

Q.13 Select the most appropriate ANTONYM of the underlined word in the following sentence.

You should never visit her without her consent.

- Ans 1. Knowledge
 2. Approval
 3. Refusal
 4. Permission

Q.14 Select the most appropriate meaning of the given idiom.
Best thing since sliced bread

- Ans 1. Rated well amongst cooks
 2. Extremely good, interesting
 3. Something to be cautious about
 4. Breaking news

Q.15 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement required'.
The annual seed festival hosted in Auroville promote sharing of traditional knowledge and sustainable farming practices.

- Ans 1. promotes sharing of traditional
 2. promotes sharing of traditionally
 3. promotes sharing of tradition
 4. No improvement required

Q.16 Select the most appropriate ANTONYM of the given word.
Sacred

- Ans 1. Profane
 2. Grave
 3. Narrow
 4. Holy

Q.17 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Mr. Stein is a very cold and hard man.

- Ans 1. Relaxed
 2. Tolerant
 3. Clement
 4. Charitable

Q.18 Select the most appropriate synonym of the given word.

Ablaze

- Ans 1. Extinguished
 2. Brazen
 3. Sharp
 4. Burning

Q.19 Select the most appropriate meaning of the given idiom.

Around the clock

- Ans 1. Something that goes on day and night
 2. Something that is done at night
 3. Something that is done within one hour
 4. Something that is time bound

Q.20 Select the **INCORRECTLY** spelt word.

- Ans 1. Judgment
 2. Chief
 3. Colleague
 4. Relevant

Q.21 Select the most appropriate **ANTONYM** of the underlined word in the following sentence.

My most vivid recollection of that summer is the ocean.

- Ans 1. Eloquent
 2. Vague
 3. Pictorial
 4. Lucid

Q.22 Select the most appropriate **ANTONYM** of the given word.
Alive

- Ans 1. Spry
 2. Dead
 3. Wise
 4. Animated

Q.23 Select the **INCORRECTLY** spelt word.

- Ans 1. Magnanimos
 2. Psychology
 3. Fascination
 4. Accompanied

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence.

There is no place on the bench.

- Ans 1. no room
 2. more place
 3. no life
 4. more space

Q.25 Select the most appropriate option to fill in the blank.

Many developing nations are having a _____ economy these days.

- Ans 1. booming
 2. boosting
 3. resounding
 4. ringing

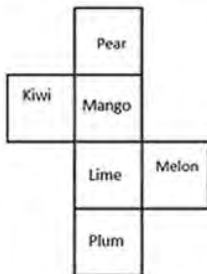
Q.1 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?
 $93 \text{ A } 3 \text{ C } 15 \text{ B } 5 \text{ D } 12 = ?$

- Ans**
- 1. 93
 - 2. 94
 - 3. 91
 - 4. 92

Q.2 In a certain code language, 'time and money' is coded as 'zoo zee zig' and 'time and tide' is coded as 'zee zoo zaa'. Which word is coded as 'zaa' in that language?

- Ans**
- 1. time
 - 2. and
 - 3. tide
 - 4. money

Q.3 What would be the word on the opposite side of 'Pear' if the given sheet is folded to form a cube?



- Ans**
- 1. Mango
 - 2. Melon
 - 3. Kiwi
 - 4. Lime

Q.4 If 29 December 1956 was a Saturday, then what was the day of the week on 16 January 1967?

- Ans**
- 1. Sunday
 - 2. Monday
 - 3. Saturday
 - 4. Friday

Q.5 What will come in the place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?
 $800 \times 16 - 8 + 12 + 18 = ?$

- Ans**
- 1. 128
 - 2. 127
 - 3. 126
 - 4. 129

Q.6 What should come in place of ? in the given series?

8, 15, 29, 57, 113 ?

- Ans
- 1. 223
 - 2. 225
 - 3. 222
 - 4. 224

Q.7 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1.
 - 2.
 - 3.
 - 4.

Q.8 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$73 - 27 \times 9 + 5 \div 13 = ?$$

- Ans
- 1. 17
 - 2. 23
 - 3. 11
 - 4. 9

Q.9 'MANGO' is related to '35' in a certain way based on the English alphabetical order. In the same way, 'CHERRIES' is related to '56'. To which of the following is 'ADMINISTRATION' related, following the same logic?

- Ans
- 1. 102
 - 2. 96
 - 3. 98
 - 4. 112

Q.10 PCNZ is related to ALWQ in a certain way based on the English alphabetical order. In the same way, RYLD is related to EHUS. To which of the following is HAXM related, following the same logic?

- Ans
- 1. NJGI
 - 2. NJIG
 - 3. NIGJ
 - 4. NIJG

Q.11 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

1.



2.



3.



4.



Q.12 In a certain code language, 'GCJL' is coded as '14-6-20-24' and 'WTRO' is coded as '46-40-36-30'. What is the code for 'BZKQ' in the given code language?

Ans 1. 3-51-20-33

2. 4-52-22-34

3. 2-52-22-34

4. 4-52-21-32

Q.13 What would be the word on the opposite side of 'Run' if the given sheet is folded to form a cube?



Ans 1. Play

2. Pray

3. Fly

4. Cry

Q.14 If 26 September 2005 was Monday, then what was the day of the week on 26 September 2017?

- Ans 1. Tuesday
 2. Wednesday
 3. Saturday
 4. Sunday

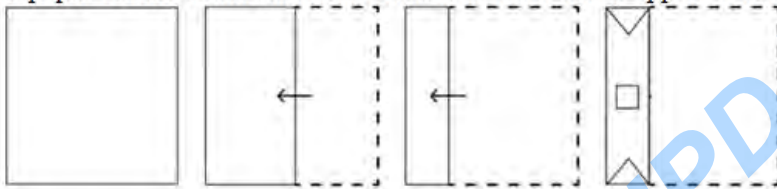
Q.15 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(45, 15, 3)
 (120, 40, 8)

- Ans 1. (175, 55, 11)
 2. (165, 55, 11)
 3. (165, 55, 9)
 4. (165, 54, 11)

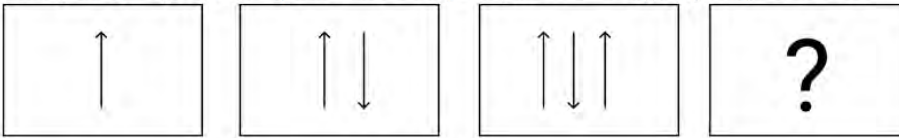
Q.16 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

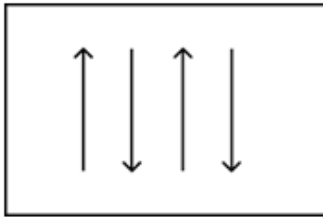
- 1.
- 2.
- 3.
- 4.

Q.17 Identify the figure given in the options which when put in place of ? will logically complete the series.

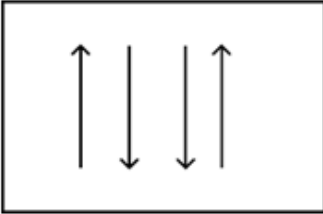


Ans

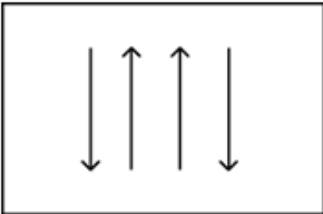
✓ 1.



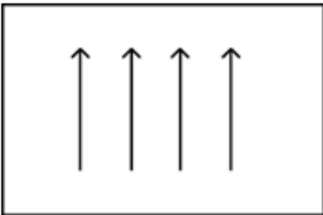
✗ 2.



✗ 3.



✗ 4.



Q.18 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans ✗ 1. QWD

✓ 2. TZD

✗ 3. EKR

✗ 4. RXE

Q.19 765 is related to 876 following a certain logic. Following the same logic, 682 is related to 793.

To which of the following is 587 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ✗ 1. 675

✗ 2. 543

✓ 3. 698

✗ 4. 798

Q.20 'A + B' means 'A is B's brother'.
 'A - B' means 'A is B's wife'.
 'A × B' means 'A is B's father'.
 'A ÷ B' means 'A is B's daughter'.
 Using operations with the same meaning as given above, which of the following options shows 'M is the mother of O'?

- Ans**
- 1. $M - N \times O$
 - 2. $M - N + O$
 - 3. $M \div N + O$
 - 4. $M \div N \times O$

Q.21 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

All chairs are sofas.

Some chairs are beds.

No sofa is a table.

Conclusions:

I. Some tables are beds.

II. No table is a chair.

III. Some sofas are beds.

- Ans**
- 1. Both conclusions I and III follow.
 - 2. Both conclusions I and II follow.
 - 3. Both conclusions II and III follow.
 - 4. All conclusions I, II and III follow.

Q.22 What should come in place of ? in the given series based on the English alphabetical order?

QJC ATM KDW UNG ?

- Ans**
- 1. SBA
 - 2. CWO
 - 3. BAA
 - 4. EXQ

Q.23 What should come in place of '?' in the given series?

34 58 106 202 394 ?

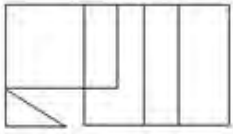
- Ans**
- 1. 778
 - 2. 798
 - 3. 792
 - 4. 774

Q.24 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FQN, CLL, ZGJ, WBH, ?

- Ans**
- 1. SVF
 - 2. SVE
 - 3. TVE
 - 4. TWF

Q.25 How many rectangles are there in the following figure?



Ans 1. 9

2. 11

3. 10

4. 8

Q.1 Which is the greatest ratio among the following?

$$\frac{8}{11}, \frac{4}{5}, \frac{1}{2} \text{ and } \frac{1}{11}$$

Ans 1. $\frac{4}{5}$

2. $\frac{8}{11}$

3. $\frac{1}{2}$

4. $\frac{1}{11}$

Q.2 In an election between two candidates, 10% of the registered voters did not cast their vote. The winning candidate got 60% of the total votes cast and defeated the other candidate by 1242 votes. Find the total number of registered voters.

Ans 1. 6200

2. 8640

3. 6900

4. 9600

Q.3 For a given circle of radius 4 cm, the angle of its sector is 45° . Find the area (in cm^2) of the sector. (Use $\pi = 3.14$.)

Ans 1. 7.28

2. 6.28

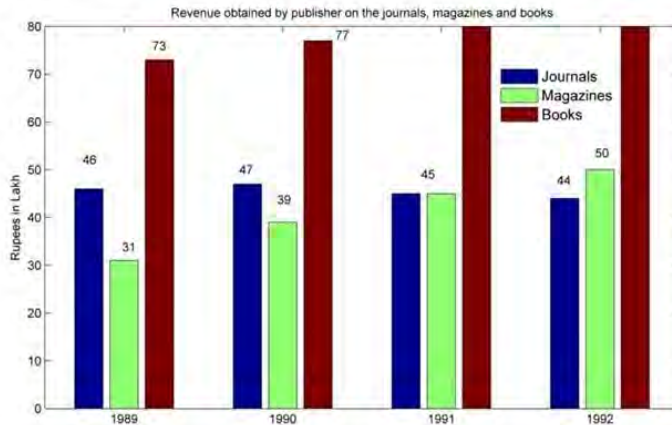
3. 6.18

4. 7.18

Q.4 PQ is parallel to SR in a trapezium PQRS. It is given that $PQ > SR$ and the diagonals PR and QS intersect at O. If $PO = 3x - 15$, $OQ = x + 9$, $OR = x - 5$ and $OS = 5$ and x has two values x_1 and x_2 , then the value of $(x_1^2 - x_2^2)$ is:

- Ans
- 1. 15
 - 2. 11
 - 3. 13
 - 4. 19

Q.5 Answer the following question on the basis of the bar graph given.



In 1991, what percentage of the total revenue came from journals? (Correct up to one decimal place)

- Ans
- 1. 25.8%
 - 2. 22.9%
 - 3. 24.73%
 - 4. 26.5%

Q.6 A dealer buys an article listed at ₹100 and get successive discounts of 10% and 20%. He spends 10% of the cost price on transportation. At what price should he sell the article to earn a profit of 15%?

- Ans
- 1. ₹76.07
 - 2. ₹89.08
 - 3. ₹91.08
 - 4. ₹81.07

Q.7 If the perimeter of a square is 64 cm, what would be its area?

- Ans
- 1. 256 cm²
 - 2. 266 cm²
 - 3. 216 cm²
 - 4. 206 cm²

Q.8 A and B can complete a piece of work in 12 days. B and C can complete the same work in 15 days and C and A in 10 days. How many days will A take to complete the work by himself?

Ans

1. $9\frac{1}{8}$

2. $16\frac{1}{7}$

3. $17\frac{1}{7}$

4. $13\frac{3}{7}$

Q.9 Simplify the given expression.

$$8 - 5 \div 2^3 \times 3 + (7 \div 7 \times 7) \div 7 + (3 \times 6 \div \frac{1}{3}) \times \frac{1}{3^3}$$

Ans

1. $\frac{73}{9}$

2. $\frac{73}{27}$

3. $\frac{73}{21}$

4. $\frac{73}{8}$

Q.10 Solve the following system of linear equations:

$$x + y + z = 15, 2x - y + z = 12 \text{ and } x - y - z = -1$$

Ans

1. $x = 7, y = 5, z = 1$

2. $x = 2, y = 5, z = 3$

3. $x = 7, y = 5, z = 3$

4. $x = 7, y = 2, z = 3$

Q.11 If 6, 18, x are sides of a triangle and x is an integer, then the number of possible values of x is:

Ans

1. 14

2. 15

3. 13

4. 11

Q.12 The following graph shows the sale of few items of a garment company for three months.



What is the percentage of the sale of the least selling item in the three months over the total sale of the company?

- Ans**
- 1. 28%
 - 2. 25%
 - 3. 16%
 - 4. 20%

Q.13 If the height of a right circular cone is 24 cm and radius of its base is 10.5 cm, then the volume of right circular cone (in cm^3) is:

Take $\pi = \frac{22}{7}$

- Ans**
- 1. 2727
 - 2. 2772
 - 3. 2277
 - 4. 2237

Q.14 If the radius of a sphere is increased by 12 percent, then the volume will be increased by approximately:

- Ans**
- 1. 41.49 percent
 - 2. 45.49 percent
 - 3. 40.49 percent
 - 4. 42.5 percent

Q.15 The following table represents the number of computers (in thousands) manufactured by four companies during the period 2010 to 2014:

Years	A	B	C	D
2010	240	120	270	280
2011	300	530	490	650
2012	1250	650	430	710
2013	470	320	1180	890
2014	320	1070	550	480

Which company has the minimum average (in thousands) of manufacturing the computers from 2010 to 2014?

- Ans**
- 1. C
 - 2. B
 - 3. A
 - 4. D

Q.16 $\frac{3 \cos^3 \theta - 2 \cos \theta}{\sin \theta - 3 \sin^3 \theta}$ is equal to:

- Ans
- 1. $\tan^2 \theta$
 - 2. $\cot^2 \theta$
 - 3. $\tan \theta$
 - 4. $\cot \theta$

Q.17 AB and AC are two tangents to a circle having centres at the point X. What will be the measure of $\angle BAC$, if $\angle BXC = 125^\circ$?

- Ans
- 1. 55°
 - 2. 50°
 - 3. 52°
 - 4. 48°

Q.18 If the income of P is 40% less than Q, then the combined income of P and Q is how much per cent more than the income of P?

- Ans
- 1. $166\frac{1}{3}$
 - 2. $166\frac{2}{3}$
 - 3. $164\frac{1}{3}$
 - 4. $164\frac{2}{3}$

Q.19 12.75% is equivalent to _____.

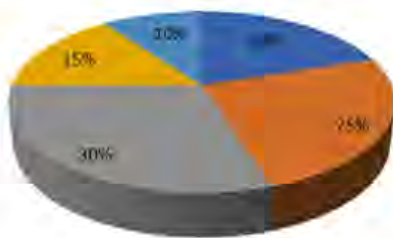
- Ans
- 1. $\frac{41}{400}$
 - 2. $\frac{17}{200}$
 - 3. $\frac{51}{400}$
 - 4. $\frac{37}{400}$

Q.20 An amount of ₹50,000 becomes ₹72,000 in 4 years on a simple rate of interest. The rate of interest is _____ per annum.

- Ans
- 1. 12%
 - 2. 9%
 - 3. 10%
 - 4. 11%

Q.21 The given pie-diagram shows the expenditure incurred on the preparation of a book by a publisher, under various heads. Study the pie-diagram and answer the question that follows.

■ A-Paper ■ B-Printing ■ C-Binding ■ D-Royalty ■ E-Miscellaneous



Various Expenditures (in percentage) incurred in Publishing a Book

What is the angle of the pie-diagram showing the expenditure incurred on paying royalty?

- Ans** 1. 54°
 2. 15°
 3. 24°
 4. 48°

Q.22 A seven-digit number $489y5z6$ is divisible by 72. Which of the options gives the highest possible product of y and z ?

- Ans** 1. 3
 2. 42
 3. 30
 4. 21

Q.23 If the average of 50 numbers N_1, N_2, \dots, N_{50} is M . Then the average of the numbers $N_1-100, N_2-100, \dots, N_{50}-100$ will be:

- Ans** 1. $50M$
 2. $M - 100$
 3. $100M$
 4. $M - 50$

Q.24 By selling 30 metres of cloth a shopkeeper makes a profit equivalent to the selling price of 10 metres of cloth. Find the selling price of 1 metre of cloth when the cost price of 1 metre of cloth is ₹480.

- Ans** 1. ₹520
 2. ₹960
 3. ₹720
 4. ₹820

Q.25 In an 800 m race, the ratio of the speeds of two contestants Ankur and Neha is 5 : 6. If Ankur has a head-start of 200 m, then Ankur will win by _____.

- Ans** 1. 76 m
 2. 69 m
 3. 80 m
 4. 89 m

Q.1 In which state is the Raika tribe found?

- Ans 1. Kerala
 2. Manipur
 3. West Bengal
 4. Rajasthan

Q.2 Which of the following folk music of Chhattisgarh is based on the epic Mahabharata?

- Ans 1. Ghumar
 2. Pandavani
 3. Paani Haari
 4. Maand

Q.3 Which Section of the Representation of People's Act (RPA), 1951 deprives the prisoners of their right to vote?

- Ans 1. Section 10 (4)
 2. Section 72 (5)
 3. Section 62 (5)
 4. Section 15 (3)

Q.4 Where did the indigenous sport 'Kalaripayattu' originate from?

- Ans 1. Kerala
 2. Tamil Nadu
 3. Goa
 4. Karnataka

Q.5 The Green Revolution led to an increase in the agricultural output primarily due to the use of HYV seeds. Here, HYV refers to:

- Ans 1. Heat Yielding Variant
 2. High Yield Variant
 3. High Yielding Variance
 4. High Yielding Variety

Q.6 _____ सिखों हार का एक प है।

- Ans 1. भैरव
 2. कल्याण
 3. खमाज
 4. होला मोहल्ला

Q.7 For which discovery did Henri Becquerel receive the Nobel Prize in Physics in 1903?

- Ans 1. Radioactive Elements
 2. Radium Emanation
 3. Diagnostic Radiography
 4. Spontaneous Radioactivity

Q.8 Good Friday is related to:

- Ans
- 1. Sikhism
 - 2. Christianity
 - 3. Hinduism
 - 4. Jainism

Q.9 Which of the following is issued by commercial banks at a discount on face value?

- Ans
- 1. Commercial papers
 - 2. Treasury bills
 - 3. Certificates of deposits
 - 4. Promissory notes

Q.10 The Deccan Plateau is a _____ landmass that lies to the south of the river Narmada.

- Ans
- 1. rectangular
 - 2. quadrilateral
 - 3. triangular
 - 4. hexagonal

Q.11 Which of the following is the default alignment of text in a Microsoft Word document?

- Ans
- 1. Right
 - 2. Center
 - 3. Left
 - 4. Justified

Q.12 Which city is referred to as the 'Manchester of India'?

- Ans
- 1. Kanpur
 - 2. Kolkata
 - 3. Ahmedabad
 - 4. Mumbai

Q.13 The government of which state started the Tansen Samman?

- Ans
- 1. Uttar Pradesh
 - 2. Himachal Pradesh
 - 3. Madhya Pradesh
 - 4. Arunachal Pradesh

Q.14 The proclamation of which Act by the King of England in 1773 paved the way for the establishment of the Supreme Court at Calcutta?

- Ans
- 1. Pitt's India Act
 - 2. Indian Councils Act
 - 3. Regulating Act
 - 4. Charter Act

Q.15 Who developed the technique of preserving the quality of food by raising its temperature to prevent microbial growth in the food?

- Ans 1. Antonie van Leeuwenhoek
 2. Joseph Lister
 3. Robert Koch
 4. Louis Pasteur

Q.16 As per the Census-2011, the population growth during the decade remained _____.

- Ans 1. 15.30%
 2. 14.25%
 3. 17.64%
 4. 18.30%

Q.17 Which of the following statements about the Pala Dynasty of eastern India is INCORRECT?

- Ans 1. Devapala was the grandson of Gopala.
 2. Dharmapala founded the Valabhi university.
 3. The Pala kings were the followers of Buddhism.
 4. The Pala dynasty was founded by Gopala.

Q.18 Where was India's first hockey club founded?

- Ans 1. Madras
 2. Delhi
 3. Calcutta
 4. Shimla

Q.19 The Maritime Anti-Piracy Act, 2022, received the assent of the President on _____.

- Ans 1. 31 March 2023
 2. 30 April 2023
 3. 31 December 2022
 4. 31 January 2023

Q.20 Which Article of the Constitution mentions about establishing and maintaining institutions for religious and charitable purposes?

- Ans 1. Article 28
 2. Article 29
 3. Article 30
 4. Article 26

Q.21 The term 'banana kick' is associated with which sport?

- Ans 1. Ice Hockey
 2. Football
 3. Boxing
 4. Hockey

Q.22 Which of the following is an example of application software?

- Ans** 1. A word processor
 2. A programming language
 3. A web browser
 4. An operating system

Q.23 Ursa Major is a/an:

- Ans** 1. constellation
 2. stellite
 3. comet
 4. asteroid

Q.24 In January 2022, which evacuation mission did the government of India launch to evacuate the Indians stranded in Ukraine?

- Ans** 1. Operation Raahat
 2. Operation Ganga
 3. Operation Safe Homecoming
 4. Operation Vande Bharat

Q.25 In a situation wherein A (female) and B (male) are working in same office, same designation, same nature of work but unequal payment, which of the following Articles of the Constitution will be applicable?

- Ans** 1. Article 48A
 2. Article 39(d)
 3. Article 21
 4. Article 18

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	B.S.M. College of Engineering
Exam Date	03/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains an error.

I had seen / her with her mother / in the cinema hall / yesterday.

- Ans
- 1. her with her mother
 - 2. yesterday
 - 3. in the cinema hall
 - 4. I had seen

Q.2 Select the option to replace the incorrect word in the following sentence.
Chotu is a bright young child, who yearn to go to school but works in his uncle's dhaba.

- Ans
- 1. yearned
 - 2. working
 - 3. worked
 - 4. yearns

Q.3 Select the most appropriate option to fill in the blank.
He _____ a long distance

- Ans
- 1. running
 - 2. run
 - 3. ran
 - 4. runned

Q.4 The following sentence has been divided into three segments. One of them may contain an adverbial usage error. Select the option that has the segment with the error.
If you don't find any error, select 'No error' as your answer.

Mr. Narayanan / is a rather / lazy man.

- Ans
- 1. No error
 - 2. Mr. Narayanan
 - 3. is a rather
 - 4. lazy man.

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees are (1) _____ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) _____ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) _____ trees. They also live in the shadows of trees. We (4) _____ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) _____. One tree can save many lives.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. an
 2. a
 3. No article
 4. the

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees are (1) _____ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) _____ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) _____ trees. They also live in the shadows of trees. We (4) _____ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) _____. One tree can save many lives.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. will made
 2. had make
 3. was make
 4. are made

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees are (1) _____ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) _____ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) _____ trees. They also live in the shadows of trees. We (4) _____ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) _____. One tree can save many lives.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. of
 2. for
 3. on
 4. out

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees are (1) _____ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) _____ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) _____ trees. They also live in the shadows of trees. We (4) _____ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) _____. One tree can save many lives.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. may stopped
 2. have stop
 3. should stop
 4. can stopped

Comprehension:

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees are (1) _____ best gift of nature for us. They make the environment beautiful and clean. Water and sunlight are very important to helping trees grow. Human beings get food from trees. Trees also give us wood and shade. Houses, chairs, and toys (2) _____ from wood we receive from trees. Trees can be called the best friends of mankind. Many animals get their food from leaves, vegetables, and fruits grown (3) _____ trees. They also live in the shadows of trees. We (4) _____ cutting trees to save nature. Children and adults need to plant more trees and teach each other to stop causing harm to (5) _____. One tree can save many lives.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. nurture
 2. natural
 3. nurturing
 4. nature

Q.10 Select the most appropriate ANTONYM of the given word.
Cheerful

- Ans 1. Hilarious
 2. Gloomy
 3. Sunny
 4. Joyful

Q.11 Select the option that can substitute the bracketed word segment meaningfully.
 If you behave well and exhibit good manners, then (people will be likely to remember you) in a positive way.

- Ans 1. people are likely to remember you
 2. people are like remember you
 3. people likely you remember
 4. people will like in remember

Q.12 Select the most appropriate idiom that can substitute the underlined word segment in the given sentence.
Delivering that furniture to the tenth floor without the lift and an incline is incredibly foolish and next to impossible .

- Ans
- 1. like a tree known by its fruits
 - 2. as tight as the bark of the tree
 - 3. like nailing jelly to the tree
 - 4. like going between the bark and the tree

Q.13 Select the most appropriate idiom to fill in the blank.

This gun should be handled with care and _____.

- Ans
- 1. mince the matters
 - 2. kept at arm's length
 - 3. shot for safety
 - 4. nip in the bud

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

It was her who first saw the criminal.

- Ans
- 1. she
 - 2. hers
 - 3. him
 - 4. them

Q.15 Select the most appropriate ANTONYM of the underlined word in the sentence.
He tried to improve the working conditions in his office.

- Ans
- 1. Spoil
 - 2. Spatter
 - 3. Specify
 - 4. Sprinkle

Q.16 Select the most appropriate option to fill in the blank.

The movie 'Desperate Ghosts' was watched by my younger brother and he was _____ horror.

- Ans
- 1. filled on
 - 2. filled off
 - 3. filled with
 - 4. filled of

Q.17 Select the INCORRECTLY spelt word.

- Ans
- 1. Fulfil
 - 2. Acknowledgment
 - 3. Apparent
 - 4. Conscientous

Q.18 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

The sudden declaration of war between two countries led to a disarray.

- Ans
- 1. refined argument
 - 2. peaceful treaty
 - 3. disorderly situation
 - 4. elusive situation

Q.19 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

Greta Thunberg's tirade against environmental degeneration shocked the world leaders.

- Ans
- 1. minute observation
 - 2. innate liberal opinion
 - 3. long and angry speech
 - 4. debatable account

Q.20 Select the most appropriate synonym of the given word.

Chaste

- Ans
- 1. Corrupt
 - 2. Sullied
 - 3. Pure
 - 4. Flashy

Q.21 Select the most appropriate synonym of the word 'echoed' to fill in the blank.
The thunderous applause _____ through the stadium.

- Ans
- 1. recoiled
 - 2. pulsed
 - 3. bounced
 - 4. reverberated

Q.22 Select the most appropriate synonym of the underlined word in the given sentence.

Can I please request you all to stand up?

- Ans
- 1. plead
 - 2. petition
 - 3. claim
 - 4. require

Q.23 The following sentence has been split into four segments. Identify the segment that contains a spelling error.

In all instances of frustrasion, / you will always find / the anger directed towards / a single person only.

- Ans
- 1. a single person only
 - 2. the anger directed towards
 - 3. you will always find
 - 4. In all instances of frustrasion

Q.24 Select the most appropriate ANTONYM of the underlined word in the given sentence.
This makes readers contemplate the motives people have for performing acts of charity.

- Ans
- 1. deviate
 - 2. understate
 - 3. follow up
 - 4. overlook

Q.25 Select the most appropriate to fill in the blank.
The boxer was knocked out cold by a powerful _____ punch to the jaw.

- Ans
- 1. write
 - 2. right
 - 3. wright
 - 4. rite

Q.1 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

Some carrots are onions.

All onions are potatoes.

All potatoes are radish.

Conclusions:

I. Some carrots are radish.

II. All onions are radish.

III. No carrot is a potato.

- Ans
- 1. Only conclusion II follows.
 - 2. Both conclusions I and II follow.
 - 3. Only conclusion III follows.
 - 4. Only conclusion I follows.

Q.2 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BOJ, FQO, JST, NUY, ?

- Ans
- 1. RVB
 - 2. QVC
 - 3. RWD
 - 4. QWD

Q.3 In a certain language,
A & B means A is the wife of B,
A ÷ B means A is the mother of B,
A × B means A is the son of B,
A + B means A is the sister of B and
A @ B means A is the father of B.
If A @ B & C @ D + K ÷ F, how is C related to K?

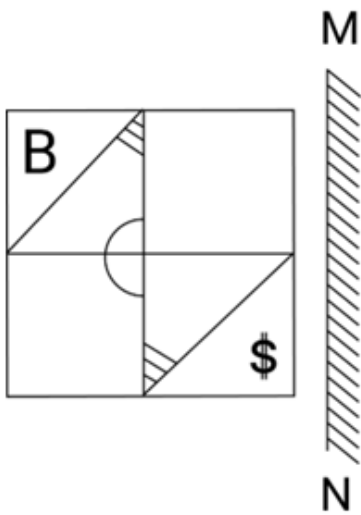
- Ans
- 1. Father
 - 2. Sister
 - 3. Mother
 - 4. Brother

Q.4 If 19 July 2000 is Wednesday, then what will be the day of the week on 17 March 2015?

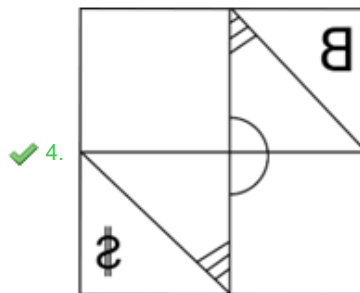
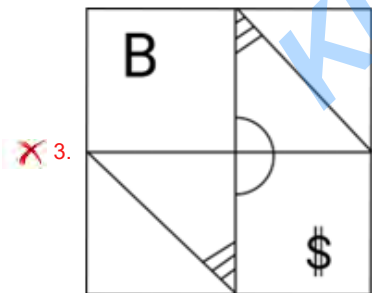
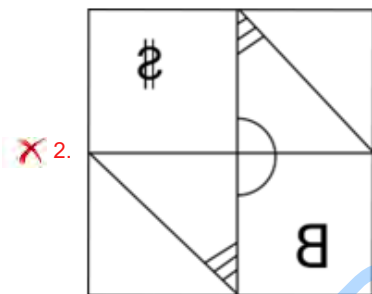
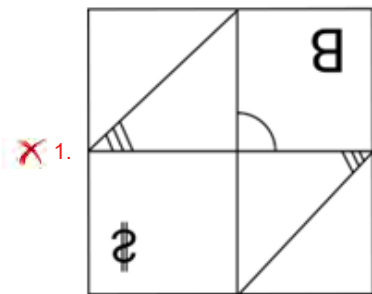
- Ans
- 1. Wednesday
 - 2. Sunday
 - 3. Friday
 - 4. Tuesday

KD JOB UPDATES

Q.5 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans



Q.6 What should come in place of X in the given series?

3 9 21 41 71 X

Ans 1. 110

2. 113

3. 120

4. 117

Q.7 In a certain code language, 'BABE' is coded as '20' and 'EACH' is coded as '34'. What is the code for 'FACT' in the given code language?

Ans 1. 60

2. 62

3. 64

4. 63

Q.8 If 10 October 2003 was a Friday, then what was the day of the week on 8 October 2015?

Ans 1. Friday

2. Thursday

3. Tuesday

4. Monday

Q.9 If 'R' stands for '+', 'K' stands for '×', 'G' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?
 $32\ G\ 15\ R\ 15D\ 17\ K\ 18 = ?$

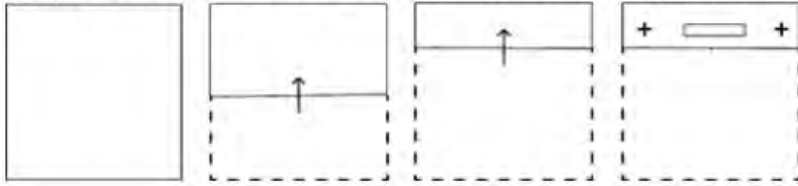
Ans 1. -879

2. -273

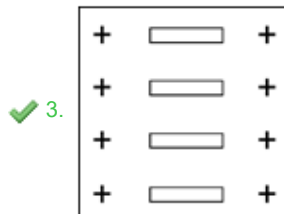
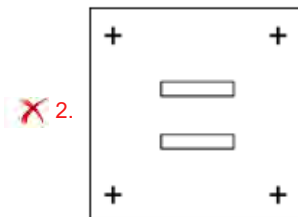
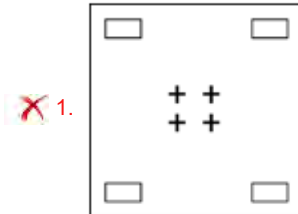
3. -456

4. -235

Q.10 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



KD JOB UPDATES

Q.11 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

E	☆	2	E	
N	2	☆	T	
☆ 2 T T	N E E	T N N	☆ 2	?

Ans

1.

T
2
☆ N E

2.

E
N
☆ 2 T

3.

T
E
2 N ☆

4.

N
☆
2 T E

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 16, 32)
(7, 49, 98)

Ans 1. (12, 144, 278)

2. (12, 134, 288)

3. (14, 144, 288)

4. (12, 144, 288)

Q.13 Which of the following numbers will replace the question mark (?) in the given series?

244 232.1 220.2 208.3 196.4 ?

Ans 1. 184.5

2. 172.5

3. 180.5

4. 176.5

Q.14 ADFI is related to CFHK in a certain way based on the English alphabetical order. In the same way, EHJM is related to GJLO. To which of the following is ILNQ related to, following the same logic?

- Ans**
- 1. KNQT
 - 2. KMPS
 - 3. KNQS
 - 4. KNPS

Q.15 This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

Allure : Repulse
 1) Creation : Destruction
 2) Fluctuate : Stabilize
 3) Immense : Huge
 4) Notion : Reality

- Ans**
- 1. 1
 - 2. 4
 - 3. 2
 - 4. 3

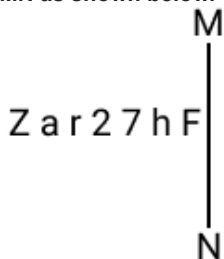
Q.16 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
 WYS, BDX, GIC, LNH, ?

- Ans**
- 1. QSM
 - 2. SMQ
 - 3. PSM
 - 4. QMS

Q.17 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
 $105 \div 2 + 4 - 120 \times 6 = ?$

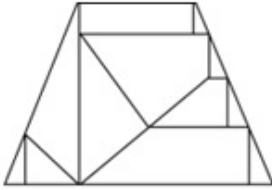
- Ans**
- 1. 226
 - 2. 266
 - 3. 216
 - 4. 126

Q.18 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- 1. Fh72rZ
 - 2. Fh27rZ
 - 3. Fh72rZ
 - 4. Fh27rZ

Q.19 How many triangles are there in the given figure?



- Ans 1. 12
 2. 10
 3. 11
 4. 9

Q.20 In a certain code language, 'RISK' is coded as '3921' and 'KIRT' is coded as '1693'. How is 'S' coded in the given language?

- Ans 1. 6
 2. 1
 3. 2
 4. 3

Q.21 'P + F' means 'P is the son of F'
 'P - F' means 'P is the wife of F'
 'P × F' means 'P is the brother of F'
 'P ÷ F' means 'P is the mother of F'
 'P = F' means 'P is the sister of F'.
 What does 'K = R ÷ M' mean?

- Ans 1. K is the daughter of M
 2. K is the aunt (mother's sister) of M
 3. K is the niece of M
 4. K is the sister of M

Q.22 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



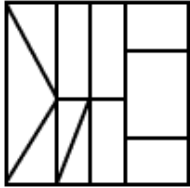
- Ans 1. BFεδeW
 2. Wεδ3BF
 3. Wεδ3BF
 4. We63BF

Q.23 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

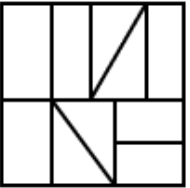


Ans

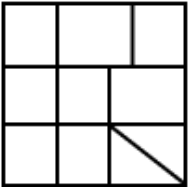
✓ 1.



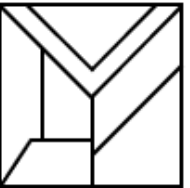
✗ 2.



✗ 3.



✗ 4.



Q.24 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$59 + 39 - 63 \times 21 \div 26 = ?$$

Ans ✓ 1. 98

✗ 2. 96

✗ 3. 90

✗ 4. 93

Q.25 129 is related to 387 following a certain logic. Following the same logic, 164 is related to 492. To which of the following is 148 related, following the same logic?

Ans ✓ 1. 444

✗ 2. 352

✗ 3. 468

✗ 4. 362

Q.1 In an election between two candidates, one got 60% of the total valid votes and 15% of the votes were invalid. If the total number of votes were 8400, the number of valid votes that the other candidate got were:

- Ans
- 1. 3213
 - 2. 2856
 - 3. 3117
 - 4. 2998

Q.2 What is the discount that Rohan should offer on the remaining ₹8,000 of a laptop priced at ₹48,000, given that, he has already given a 12% discount on the first ₹28,000 and 8% discount on the next ₹12,000 to match the discount amount of 9.5% given on the total price?

- Ans
- 1. ₹402
 - 2. ₹204
 - 3. ₹420
 - 4. ₹240

Q.3 Four cubes each of volume 216 cubic cm are joined end to end to form a new solid. The surface area of the new solid is:

- Ans
- 1. 648 sq cm
 - 2. 672 sq cm
 - 3. 1296 sq cm
 - 4. 324 sq cm

Q.4 Ram and Shyam start walking from the same place in the opposite direction. If Shyam walks at a speed of $5\frac{1}{4}$ km/hr and Ram at a speed of 3 km/hr, then after how much time will they be 44 km apart?

- Ans
- 1. 6 hours 20 minutes
 - 2. 4 hours 20 minutes
 - 3. 3 hours 20 minutes
 - 4. 5 hours 20 minutes

Q.5 When x is added to each of the numbers 7, 11, 18 and 23, then the number so obtained are in proportion. What is the mean proportional between the $(x - 1)$ and $(2x - 10)$?

- Ans
- 1. 78
 - 2. 98
 - 3. 48
 - 4. 68

Q.6 There are 160 multiple choice questions in a test. 4 marks are allotted for a correct answer and 1 mark is deducted for a wrong answer or un-attempted question from the total score of correct answers. If a candidate scored 400 marks in the test, how many questions did he answer correctly?

- Ans
- 1. 110
 - 2. 112
 - 3. 115
 - 4. 120

Q.7 लोहे की एक बेलनाकार छड़ जिसकी ऊँचाई इसकी त्रिज्या से बारह गुना है, को पिघलाकर गोलाकार गदों में ढाला जाता है, जिनमें से एक की त्रिज्या, बेलन की त्रिज्या की एक तिहाई है। गोलाकार गदों की संख्या ज्ञात कीजिए।

Ans 1. 243

2. 198

3. 224

4. 212

Q.8 Two circles with centre O and A touch each other externally. The radius of the first circle with centre O is 6 cm. The radius of the second circle with centre A is 3 cm. Find the length of their common tangent CB (in centimetres).

Ans 1. $6\sqrt{2}$

2. $3\sqrt{2}$

3. $4\sqrt{3}$

4. $4\sqrt{2}$

Q.9 Riya and Sangeeta can finish a work in 6 days and 8 days, respectively. Riya started the work alone and then after 3 days, Sangeeta joined Riya. They both finish the remaining work. How long did the total work last?

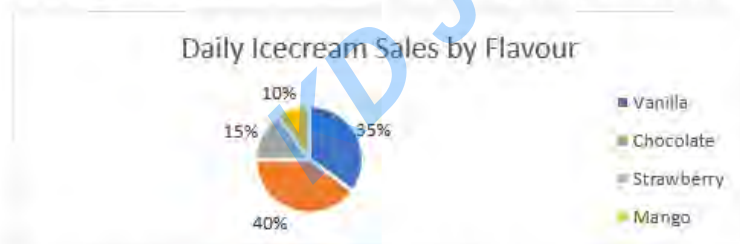
Ans 1. $4\frac{4}{7}$ days

2. $4\frac{3}{7}$ days

3. $4\frac{2}{7}$ days

4. $4\frac{5}{7}$ days

Q.10 Read the given information and answer the question that follows.



If 400 chocolate ice creams are sold in a day, how many vanilla ice creams are sold?

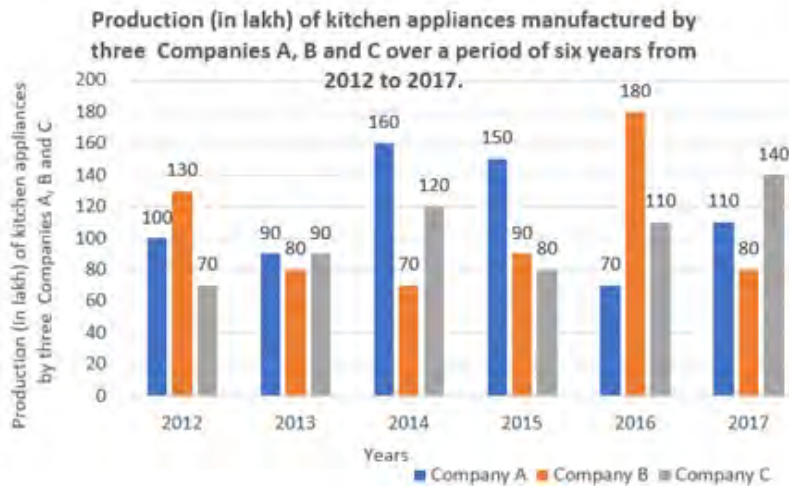
Ans 1. 350

2. 100

3. 400

4. 300

Q.11 Study the given bar-graph and answer the question that follows.
The bar-graph shows the production (in lakh) of kitchen appliances manufactured by three companies A, B, and C over a period of six years from 2012 to 2017.



In which year was the percentage of rise / fall in production from the previous year the maximum for company C?

- Ans
- 1. 2015
 - 2. 2017
 - 3. 2013
 - 4. 2016

Q.12 If the perimeters of two similar triangles are in the ratio of 4 : 7, and the sum of the areas is 195 cm², then what is $\frac{1}{3}$ of the difference between the areas (in cm²) of the two triangles?

- Ans
- 1. 99
 - 2. 33
 - 3. 63
 - 4. 54

Q.13 The simple interest on a sum for 8 years is $\frac{4}{5}$ of the sum. The rate of interest per annum is:

- Ans
- 1. 15%
 - 2. 5%
 - 3. 20%
 - 4. 10%

Q.14 Simplify the following expression.

$$2\frac{1}{4} \times 3\frac{1}{5} + 5\frac{1}{6} \text{ of } 2\frac{4}{31} \div 3\frac{2}{3} + 4\frac{1}{7} \text{ of } 1\frac{6}{29}.$$

- Ans
- 1. $13\frac{1}{5}$
 - 2. $15\frac{1}{5}$
 - 3. $14\frac{1}{5}$
 - 4. $16\frac{1}{5}$

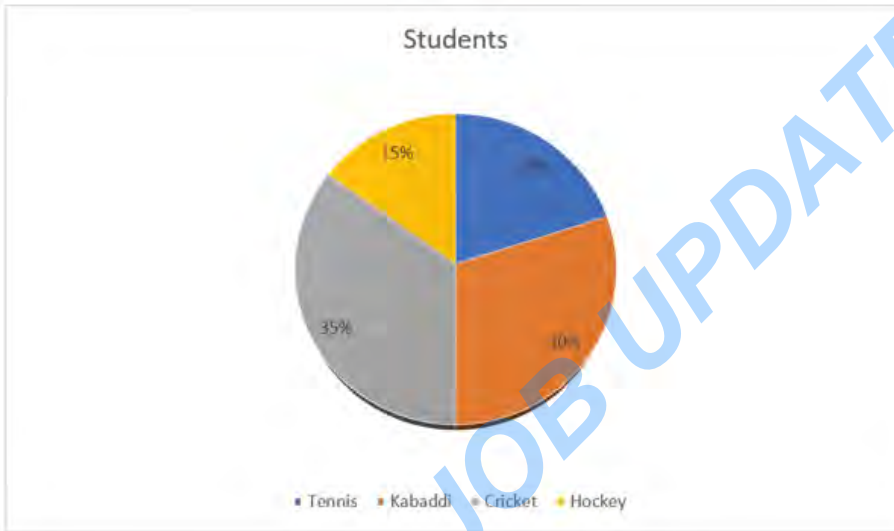
Q.15 Two parallel chords of length 8 units each are 6 units away from each other in a circle. What is the radius of the circle in units?

- Ans
- 1. 1.6
 - 2. 2.5
 - 3. 3.4
 - 4. 4.3

Q.16 A seller decreased the selling price of each item from ₹5,000 to ₹4,680, by which his loss percentage increased by 4%. If he has to get 4% profit, then the selling price of the item should be:

- Ans
- 1. ₹8,840
 - 2. ₹8,320
 - 3. ₹7,800
 - 4. ₹7,280

Q.17 The distribution of total 1500 students in a school for different games is shown in the following figure. Study the given figure carefully and answer the question that follows.



Find the total number of students selected for cricket and tennis.

- Ans
- 1. 825
 - 2. 625
 - 3. 525
 - 4. 415

Q.18 If $\alpha + \beta = 45^\circ$ and $(\tan \alpha + 1)(\tan \beta + 1) = 2x$, then x is:

- Ans
- 1. -1
 - 2. 0
 - 3. 1
 - 4. 2

Q.19 $\triangle ABC \sim \triangle EDF$ and area $(\triangle ABC) : \text{area}(\triangle EDF) = 9 : 4$. If $AB = 5$ cm, $BC = 8$ cm and $CA = 10$ cm, then DF is equal to:

- Ans
- 1. $5\frac{1}{3}$ cm
 - 2. $3\frac{2}{3}$ cm
 - 3. $3\frac{1}{4}$ cm
 - 4. $4\frac{2}{3}$ cm

Q.20 If the area of a triangle whose base measures 6cm is 18cm^2 , then its height is:

- Ans
- 1. 6 cm
 - 2. 3.1 cm
 - 3. 9 cm
 - 4. 2.2 cm

Q.21 Rakesh is the owner of a rectangular field. Because of the construction of an expressway near his field, the length and breadth of his field are reduced by 30% and 10%, respectively. What is the percentage decrease in the area of his field?

- Ans
- 1. 33%
 - 2. 40%
 - 3. 35%
 - 4. 37%

Q.22 A class of 25 students took an English test. 15 students had an average score of 80. The other students had an average score of 60. What is the average score of the whole class?

- Ans
- 1. 80
 - 2. 72
 - 3. 76
 - 4. 74

Q.23 In an engineering college, there are four branches namely Computer Science (CS), Electronics (EC), Civil (CE), and Mechanical (ME). The respective ratio of the number of students in these branches is 11 : 5 : 6 : 7. What is the percentage of students belonging to CS and ME branches in the college (correct up to two decimal places)?

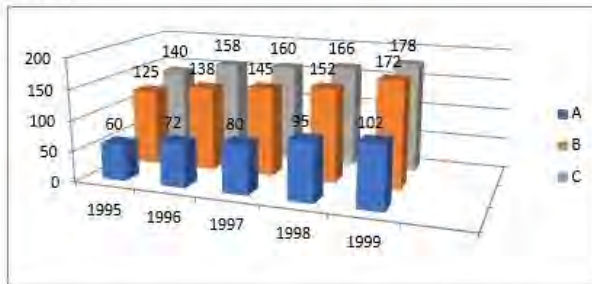
- Ans
- 1. 62.37%
 - 2. 62.07%
 - 3. 61.37%
 - 4. 61.07%

Q.24 When the integer n is divided by 18, the quotient is x and the remainder is 6, When the integer n is divided by 25, the quotient is y and the remainder is 15. Which of the following is true?

- Ans
- 1. $18x - 25y = 9$
 - 2. $18x + 25y = 9$
 - 3. $25y - 18x = 9$
 - 4. $25y + 18x = 9$

Q.25 Study the given graph and answer the question that follows.

The graph shows the exports from three companies (A, B and C) over the years (in ₹ crore).



In which year was the difference between the exports from companies A and B the minimum?

- Ans**
- 1. 1994
 - 2. 1998
 - 3. 1995
 - 4. 1997

Q.1 The Palas were:

- Ans**
- 1. a dynasty that united eastern India and Burma
 - 2. a dynasty that first appeared in Cambodia
 - 3. a dynasty that appeared in Puri
 - 4. a dynasty that appeared in eastern India

Q.2 Norman Ernest Borlaug was awarded the _____ in 1970 for his contributions to the green revolution.

- Ans**
- 1. Nobel Prize in Physics
 - 2. Nobel Peace Prize
 - 3. Nobel Prize in Chemistry
 - 4. Nobel Prize in Physiology

Q.3 What is the name of the festival that ends the Holy Ramzan month?

- Ans**
- 1. Muharram
 - 2. Eid- Ul- Zuha
 - 3. Eid- Ul- Fitr
 - 4. Bakrid

Q.4 The establishment of Union Public Service Commission, State Public Service Commissions and Joint Public Service Commission falls under which of the following features of the Constitution of India?

- Ans**
- 1. Parliamentary Government
 - 2. Federalism
 - 3. Fundamental Rights
 - 4. Directive Principles of State Policy

Q.5 Who among the following cabinet ministers was appointed as the Governor of Karnataka in July 2021?

- Ans** 1. Thawarchand Gehlot
 2. Hari Babu Kambhampati
 3. Arjun Munda
 4. Rajendra Vishwanath

Q.6 Who was the first Indian woman wrestler to win a medal at the Olympics?

- Ans** 1. Babita Phogat
 2. Sakshi Malik
 3. Alka Tomar
 4. Geeta Phogat

Q.7 Which of the following sequences is correct, according to taxonomy?

- Ans** 1. Phylum-Class-Order-Family-Genus-Species
 2. Class-Phylum-Family-Order Genus-Species
 3. Family-Phylum-Class-Order-Genus-Species
 4. Class-Phylum-Order-Family-Genus-Species

Q.8 The moderate margin of a page in MS Word can be applied to the page from which of the following?

- Ans** 1. View Tab
 2. Page Layout Tab
 3. Review tab
 4. Design Tab

Q.9 The largest inland salt lake 'Sambhar' is located in the _____ of India.

- Ans** 1. north-east
 2. north-west
 3. south-west
 4. south-east

Q.10 Chhannulal Mishra is related to which Musical Lineage?

- Ans** 1. Delhi Musical Family
 2. Jaipur Musical Family
 3. Kirana Musical Family
 4. Agara Musical Family

Q.11 Who wrote the book 'Gulamgiri'?

- Ans** 1. Swami Shraddhanand
 2. Dwarkanath Tagore
 3. BR Ambedkar
 4. Jyotiba Phule

Q.12 According to Ministry of Agriculture and Farmers Welfare, what was the total food grain production of India in the year 2022-23?

- Ans
- 1. 2266.23 lakh tonnes
 - 2. 2876.17 lakh tonnes
 - 3. 2491.58 lakh tonnes
 - 4. 3296.87 lakh tonnes

Q.13 According to Global Multidimensional poverty index (2022), On the basis of four indicators- nutrition, cooking fuel, sanitation and housing, how much poor people live in India?

- Ans
- 1. 24.4 million
 - 2. 54.4 million
 - 3. 34.4 million
 - 4. 44.4 million

Q.14 Which Articles of the Constitution deal with citizenship?

- Ans
- 1. Articles 5 to 11
 - 2. Articles 5 to 8
 - 3. Articles 5 to 10
 - 4. Articles 5 to 9

Q.15 'Chang dance' is popular in the state of:

- Ans
- 1. Goa
 - 2. Bihar
 - 3. Rajasthan
 - 4. Tripura

Q.16 According to the Census of India 2011, which of the following states is the most urbanised?

- Ans
- 1. Kerala
 - 2. Goa
 - 3. Himachal Pradesh
 - 4. Punjab

Q.17 In India, the musical instrument "Flute" is also known as _____.

- Ans
- 1. Tabla
 - 2. Manjira
 - 3. Bansuri
 - 4. Veena

Q.18 Who among the following discovered that a wire carrying electric current can attract or repel another wire next to it that's also carrying electric current?

- Ans
- 1. James Maxwell
 - 2. Michael Faraday
 - 3. Guglielmo Marconi
 - 4. Andre-Marie Ampere

Q.19 On 7 November 2022, the Supreme Court of India upheld the reservations for the weaker sections (EWS). Which of the following amendments brought this reservation in the first place?

- Ans
- 1. 101st Amendment of the Constitution
 - 2. 102nd Amendment of the Constitution
 - 3. 103rd Amendment of the Constitution
 - 4. 104th Amendment of the Constitution

Q.20 Which country hosted the first FIFA World Cup?

- Ans
- 1. Brazil
 - 2. France
 - 3. Uruguay
 - 4. Italy

Q.21 In Microsoft Excel, which chart type is best suited for comparing proportions or percentages of a whole?

- Ans
- 1. Line Chart
 - 2. Bar Chart
 - 3. Scatter Chart
 - 4. Pie Chart

Q.22 In cost theory, the usual shape of the _____ curve is a rectangular hyperbola.

- Ans
- 1. total cost
 - 2. fixed cost
 - 3. variable cost
 - 4. average fixed cost

Q.23 Dinesh K Tripathi was appointed as _____ in January, 2024

- Ans
- 1. Vice Chief of Naval Staff
 - 2. Chief of Naval Staff
 - 3. Rear Admiral
 - 4. Chief of Personnel

Q.24 Which dwarf planet orbits the sun in 310 years at a distance between 38.5 to 53 AU?

- Ans
- 1. Eris
 - 2. Ceres
 - 3. Makemake
 - 4. Pluto

Q.25 Which of the following teams won the IPL 2023 championship?

- Ans
- 1. Chennai Super Kings
 - 2. Gujarat Titans
 - 3. Mumbai Indians
 - 4. Lucknow SuperGiants

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ 2 Sector 62
Exam Date	04/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I am very much / obliged of my friend / for the help / he rendered to me.

- Ans
- 1. I am very much
 - 2. he rendered to me
 - 3. for the help
 - 4. obliged of my friend

Q.2 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

I am sure / that he will praying / for a good crop / this year.

- Ans
- 1. this year.
 - 2. I am sure
 - 3. for a good crop
 - 4. that he will praying

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

My students are / waiting for / their flights / at the gate no. 6.

- Ans
- 1. at the gate no. 6.
 - 2. their flights
 - 3. waiting for
 - 4. My students are

Q.4 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.

She will being studying for her exams tomorrow.

- Ans
- 1. studying
 - 2. exams
 - 3. tomorrow
 - 4. will being

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans**
- 1. melt
 - 2. diffuse
 - 3. evaporate
 - 4. dissolve

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans**
- 1. initial
 - 2. early
 - 3. original
 - 4. primary

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans**
- 1. applied
 - 2. employed
 - 3. utilised
 - 4. operated

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans**
- 1. invented
 - 2. fabricated
 - 3. renewed
 - 4. produced

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Oil is almost certainly one of the ocean's greatest resources. 33% of the world's oil comes from seaward fields in seas. Oils are liquids that easily burn and do not (1)_____ in water. Most of the time, they are made of chains of carbon and hydrogen atoms. There are three (2)_____ types of oils: mineral, essential and fixed oils. From plants, essential oils are thin, scented oils. Because they frequently have an odour, essential oils are (3)_____ in perfumery and food flavouring. Aromatic extraction processes like cold pressing, distillation and extraction are typically used to prepare essential oils. Fatty acids are used by animals and plants to make fixed oils. They are especially non-volatile oils that are found in the seeds of cotton, corn, flax, sunflowers, peanuts, coconuts and olives, as well as in fatty animal tissues. Mineral oils are (4)_____ from petroleum which has been underground for millions of years from sea organism skeletons. Mineral oils are one of the petroleum by-products with the lowest prices. Mineral oils are colourless and transparent. They are made up of a (5)_____ of hydrocarbons.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. cooperation
 2. combination
 3. association
 4. collaboration

Q.10 Fill in the blank with the most appropriate ANTONYM of the underlined word.

Gentlemen always go for a lawful approach, but rouges choose _____ ways to solve problems.

- Ans 1. sophisticated
 2. legitimate
 3. legal
 4. illicit

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The painting look good in this room.

- Ans 1. looking
 2. had look
 3. have looking
 4. looks

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

Applications are to be sent to the school's e-mail ID before 30th June.

- Ans 1. will be send to
 2. would be send to
 3. No substitution required
 4. is sending

Q.13 Select the most appropriate meaning of the underlined idiom.

Vishnu and Vignesh are always like two peas in a pod.

- Ans 1. Good in every way
 2. Very similar to each other
 3. Smart and intelligent
 4. Happy and compassionate

Q.14 Select the most appropriate meaning of the underlined idiom in the following sentence.

Independence Day is considered as a red-letter day in the history of India.

- Ans
- 1. Regular day
 - 2. Uneventful day
 - 3. Memorable day
 - 4. Unimportant day

Q.15 Select the most appropriate option that can substitute the underlined segment in the given sentence.

He lived on the bank of a mighty river, broad and deep, that have always silently rolling on to a vast undiscovered ocean.

- Ans
- 1. which were always silently rolling
 - 2. what has always silently rolling
 - 3. that were always silently rolling
 - 4. which was always silently rolling

Q.16 Select the most appropriate ANTONYM of the given word.
Important

- Ans
- 1. Productive
 - 2. Trivial
 - 3. Recurring
 - 4. Significant

Q.17 Select the most appropriate option to fill in the blank.

A sailor was _____ through the high tides.

- Ans
- 1. sailing
 - 2. selling
 - 3. ceiling
 - 4. swelling

Q.18 Select the most appropriate option to fill in the blank.

The _____ in my shoelace created a lot of trouble.

- Ans
- 1. not
 - 2. naught
 - 3. nought
 - 4. knot

Q.19 Replace the underlined word in the given sentence with an appropriate synonym from the options listed below.

They gave us the impression that Clara was a cold and calculating woman, who was only after power.

- Ans
- 1. unscrupulous
 - 2. unsympathetic
 - 3. manipulative
 - 4. callous

Q.20 Select the correct spelling of the underlined word in the following sentence.
I am contant with my day's work.

- Ans 1. contint
 2. contante
 3. content
 4. cuntent

Q.21 Select the most appropriate ANTONYM of the given word.
Merit

- Ans 1. Occult
 2. Tumult
 3. Fault
 4. Result

Q.22 Select the most appropriate option that can substitute the underlined segment in the given sentence.
If you are thinking about investing in share markets, isn't it make sense to find an expert?

- Ans 1. do it
 2. did it
 3. doesn't it
 4. is it

Q.23 Select the most appropriate homophone to fill in the blank.
Namita still cannot _____ the pain of her cat's untimely demise.

- Ans 1. bear
 2. beer
 3. bier
 4. bare

Q.24 Select the most appropriate option to fill in the blank.

The crowd gave them a _____ of applause.

- Ans 1. load
 2. round
 3. laugh
 4. yell

Q.25 Select the INCORRECTLY spelt word.

- Ans 1. Amendment
 2. Adulterous
 3. Advertisement
 4. Astounding

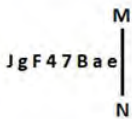
Q.1 If 'J' stands for '+', 'V' stands for 'x', 'K' stands for '+' and 'A' stands for '-', what will come in place of the question mark (?) in the following equation?
 12 J 2 K 17 A 15 V 19 = ?

- Ans
- 1. -75
 - 2. -776
 - 3. -262
 - 4. -76

Q.2 Select the combination of letters that when sequentially placed in the blanks of the given series will logically complete the series.
 _ F _ G E E _ E _ E E F _ G E E _ E G _

- Ans
- 1. E F F G F E F
 - 2. F E F G F F E
 - 3. E E F G E F E
 - 4. E F G F E E F

Q.3 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. e a e B a e 7 4 7 B a e J g
 - 2. J g F 4 7 B a e e a e B a e 7 4 7 B a e J g
 - 3. J g F 4 7 B a e
 - 4. J g F 4 7 B a e

Q.4 What should come in place of ? in the given series based on the English alphabetical order?

RST VZW ZGZ DNC ?

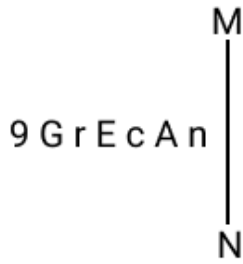
- Ans
- 1. MOC
 - 2. HUF
 - 3. COD
 - 4. ALF

Q.5 What should come in place of the question mark (?) in the given series?

22, 24, 28, 30, 34, ?

- Ans
- 1. 38
 - 2. 35
 - 3. 36
 - 4. 37

Q.6 Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.



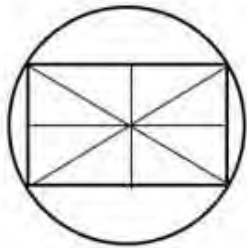
- Ans
- 1. nAɔɛ1ɔθ
 - 2. nAɔɛ1Gθ
 - 3. Anɔɛ1ɔθ
 - 4. nAɔE1θθ

Q.7 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$35 \times 96 - 8 + 3 \div 11 = ?$$

- Ans
- 1. 60
 - 2. 40
 - 3. 55
 - 4. 42

Q.8 How many rectangles are there in the given figure?



- Ans
- 1. 6
 - 2. 8
 - 3. 7
 - 4. 9

Q.9 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Q.10 In a certain code language,
 'M & N' means 'M is the wife of N',
 'M @ N' means 'M is the brother of N',
 'M \$ N' means 'M is the father of N',
 'M # N' means 'M is the son of N'.
 Based on the above, how is T related to G if 'T @ S # M & N \$ G'?

Ans

✗ 1. Father

✗ 2. Father's brother

✓ 3. Brother

✗ 4. Son

Q.11 The position of how many letters will remain unchanged if each of the letters in the word SOUNDBAR is arranged in alphabetical order?

- Ans 1. Two
 2. Three
 3. One
 4. Four

Q.12 उस शब्द का चयन कीजिए जो नीचे दिए गए शब्दों के युग्मों में दिए गए समान संबंध का सबसे अधिक निरूपण करता है।
(शब्दों को अथवा हिंदी शब्दों के समान माना जाना चाहिए और उच्च शब्दों में अक्षरों की संख्या / वर्णों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए।)
तालुआ : मुंह

- Ans 1. पहाड़ी : पवतमाला
 2. नाला : बांध
 3. इंद्रधनुष : आकाश
 4. छत : कमरा

Q.13 What would be the word on the opposite side of 'Eat' if the given sheet is folded to form a cube?



- Ans 1. Pray
 2. Fly
 3. Play
 4. Cry

Q.14 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All rings are bangles.
Some bangles are anklets.
No anklet is a pendant.

Conclusions:

- (I) All rings being anklets is a possibility.
(II) All bangles can never be pendants.

- Ans 1. Only conclusion II follows
 2. None of the conclusions follow
 3. Only conclusion I follows
 4. Both conclusions I and II follow

Q.15 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. EGJ
 2. PRV
 3. GIM
 4. HJN

Q.16 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

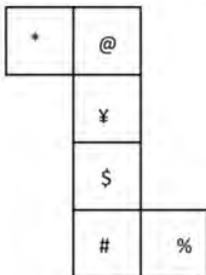
$$32 \text{ B } 4 \text{ D } 116 \text{ A } 2 \text{ C } 13 = ?$$

- Ans 1. 83
 2. 81
 3. 82
 4. 84

Q.17 529 is related to 23 following a certain logic. Following the same logic, 324 is related to 18. To which of the following is 625 related following the same logic? (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. 23
 2. 35
 3. 25
 4. 27

Q.18 What would be the symbol on the opposite side of '*' if the given sheet is folded to form a cube?



- Ans 1. ¥
 2. %
 3. #
 4. \$

Q.19 In a certain code language, 'I missed breakfast' is written as 'nl zn kq' and 'train is missed' is written as 'zm kg nl'. How is 'missed' written in the given language?

- Ans 1. kq
 2. zn
 3. nl
 4. zm

Q.20 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
(5, 25, 50)
(8, 64, 128)

Ans 1. (12, 144, 288)

2. (12, 134, 288)

3. (12, 144, 298)

4. (12, 144, 278)

Q.21 In a certain code language, 'MOAT' is coded as '8652' and 'TRAM' is coded as '4256'. What is the code for 'R' in the given code language?

Ans 1. 6

2. 2

3. 4

4. 8

Q.22 What should come in place of the question mark (?) in the given series?

13, 22, 33, 46, ?, 78, 97

Ans 1. 60

2. 61

3. 65

4. 56

Q.23 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

$\begin{array}{ c c } \hline 4 & \\ \hline 2 & 6 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 6 & \\ \hline 4 & 10 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 8 & \\ \hline 6 & 14 \\ \hline \end{array}$	$\begin{array}{ c c } \hline 10 & \\ \hline 8 & 18 \\ \hline \end{array}$	<p>?</p>
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Ans

✓ 1.

$\begin{array}{ c c } \hline 12 & \\ \hline 10 & 22 \\ \hline \end{array}$
--

✗ 2.

$\begin{array}{ c c } \hline 6 & \\ \hline 4 & 2 \\ \hline \end{array}$

✗ 3.

$\begin{array}{ c c } \hline 10 & \\ \hline 12 & 2 \\ \hline \end{array}$

✗ 4.

$\begin{array}{ c c } \hline 8 & \\ \hline 10 & 2 \\ \hline \end{array}$
--

Q.24 If 16 July 2001 is Monday, then what will be the day of the week on 23 December 2006?

Ans ✓ 1. Saturday

✗ 2. Thursday

✗ 3. Wednesday

✗ 4. Monday

Q.25 उस शब्द-युग्म का चयन कीजिए जो नीचे दिए गए शब्दों के युग्म में व्यक्त किए गए समान संबंध का सबसे अच्छा निरूपण करता है।
(शब्दों को अर्थपूर्ण हिंदी शब्दों के रूप में माना जाना चाहिए और उन्हें शब्द में अक्षरों की संख्या/व्यंजन/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं किया जाना चाहिए।)

भारत : आम

Ans

- 1. ऑस्ट्रेलिया : अंगूर
- 2. फ्रांस : सेब
- 3. ग्रीस : केला
- 4. न्यूजीलैंड : कीवी

Q.1 A person spends 10% of his income on groceries, 10% on medicines, 20% on children's education, 15% on house rent, and he saves the remaining amount. If his monthly income is ₹30,000, find his savings.

Ans 1. ₹13,500

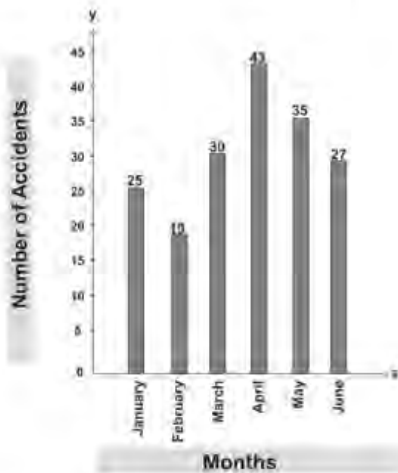
- 2. ₹16,500
- 3. ₹12,500
- 4. ₹15,500

Q.2 If 70% of the cost price of an article is equal to 40% of its selling price, what is the profit percentage?

Ans 1. 80%

- 2. 85%
- 3. 70%
- 4. 75%

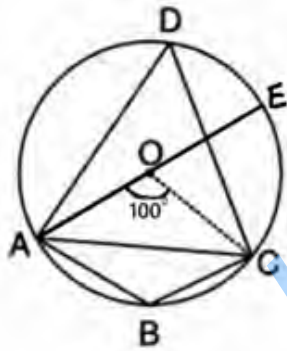
Q.3 The given bar graph shows the number of accidents in a city during the first 6 months of a year. Examine the bar graph and answer the question.



What is the percentage of accidents in the month of April with respect to the total accidents in the city during six months? (Correct to nearest integer)

- Ans
- 1. 22%
 - 2. 15%
 - 3. 20%
 - 4. 24%

Q.4 In the given figure, O is the centre of the circle, AE is the diameter and $\angle AOC = 100^\circ$.



The value of $\angle CDE + \angle CEA$ is:

- Ans
- 1. 90°
 - 2. 60°
 - 3. 80°
 - 4. 100°

Q.5 Which of the following numbers is divisible by 22?

- Ans
- 1. 654320
 - 2. 893002
 - 3. 602351
 - 4. 645372

Q.6 Convert 28% into the form of ratio.

- Ans 1. 25 : 7
 2. 7 : 25
 3. 7 : 18
 4. 18 : 7

Q.7 The number nearest to 7658 and exactly divisible by 45 is:

- Ans 1. 7645
 2. 7660
 3. 7640
 4. 7650

Q.8 Given below is the observed data of the ages of various children.

Age in years	Number of children
6	8
7	3
8	7
9	2
10	20

What is the mean of the ages of the children?

- Ans 1. 7.575 years
 2. 6.575 years
 3. 8.575 years
 4. 5.575 years

Q.9 Find the average of natural numbers from 1 to 69. (both included)

- Ans 1. 37
 2. 35
 3. 33
 4. 31

Q.10 The edges of a rectangular box are in the ratio of 3 : 5 : 8, and its surface area is 632 cm^2 . What will be the volume of the box?

- Ans 1. 801 cm^3
 2. 960 cm^3
 3. 990 cm^3
 4. 510 cm^3

Q.11 A box filled with gift articles weighs 25 kg. If the weight of the box and the gift articles, respectively, are in the ratio 1 : 9, then the weight of the articles (in grams) is:

- Ans
- 1. 22500
 - 2. 23500
 - 3. 21500
 - 4. 24500

Q.12 Shankar covers a certain distance by a car driving at 40 km/h and he returns to the starting point riding on a scooter with a speed of 20 km/h. Find the average speed of the whole journey.

- Ans
- 1. $22\frac{2}{3}$ km/h
 - 2. $29\frac{2}{3}$ km/h
 - 3. $24\frac{2}{3}$ km/h
 - 4. $26\frac{2}{3}$ km/h

Q.13 In a state election between two parties, 83% of the voters cast their votes, out of which 4% of the votes were declared invalid. Party A got 156611 votes which were 83% of the total valid votes. Find the total number of votes enrolled in that election. (Consider integer part only)

- Ans
- 1. 23,46,807
 - 2. 2,36,807
 - 3. 2,34,888
 - 4. 2,58,233

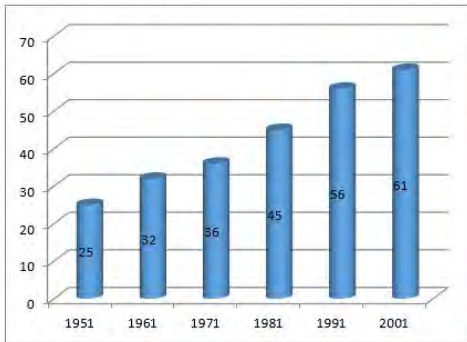
Q.14 A man looks at the reflection of the top of the lamp-post on the mirror that is 6.6 m away from the foot of the lamppost. The man's height is 1.25 m and he is standing 2 m away from the mirror. Assuming that the mirror is placed on the ground, facing the sky and the man, and that the mirror and the lamp-post are in a same line, find the height of the lamp-post (in metres).

- Ans
- 1. 3.97
 - 2. 4.28
 - 3. 4.45
 - 4. 4.13

Q.15 A clock is sold for ₹550 cash or in the instalment scheme, for ₹250 cash down payment and ₹310 after one month. Find the rate of interest charged in the instalment scheme.

- Ans
- 1. 35%
 - 2. 45%
 - 3. 40%
 - 4. 20%

Q.16 The following bar graph represents the population of a city (in lakhs) as per the census across different years.



What is the per cent increase in population from 1951 to 2001?

- Ans**
- 1. 35%
 - 2. 22%
 - 3. 144%
 - 4. 120%

Q.17 There is a circle with a centre T and a radius of 8 cm. Two tangents KE and KI are drawn from point K, which is 17 cm from the centre. The area of the quadrilateral TEKI is:

- Ans**
- 1. 127.5 sq.cm
 - 2. 130 sq.cm
 - 3. 136 sq.cm
 - 4. 120 sq.cm

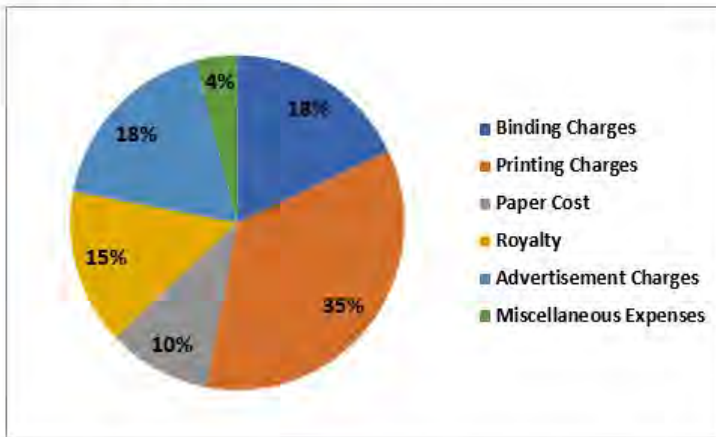
Q.18 Three solid cubes of metal have sides 6 cm, 8 cm and 10 cm, respectively. They are melted to form a new cube. What is the surface area of this new cube?

- Ans**
- 1. 812 cm²
 - 2. 950 cm²
 - 3. 915 cm²
 - 4. 864 cm²

Q.19 What is the value of $\tan 570^\circ$?

- Ans**
- 1. $-\frac{1}{\sqrt{3}}$
 - 2. $-\sqrt{3}$
 - 3. $\frac{1}{\sqrt{3}}$
 - 4. $\sqrt{3}$

Q.20 The pie chart, given here, shows the various expenses of a publisher in the production of a magazine.



What is the difference between the measures of the central angles of sectors for binding charges and paper cost?

- Ans**
- 1. 27.2°
 - 2. 28.6°
 - 3. 27.6°
 - 4. 28.8°

Q.21 If the diameter of the base and curved surface area of a cylinder are 14cm and 352 cm^2 , respectively, then the total surface area of the cylinder is equal to:

- Ans**
- 1. 660 cm^2
 - 2. 654 cm^2
 - 3. 760 cm^2
 - 4. 754 cm^2

Q.22 $\triangle ABC$ is a right-angled triangle where $m\angle ABC = 90^\circ$. If $m(\overline{AB}) = 15 \text{ cm}$, $m(\overline{BC}) = 20 \text{ cm}$, and $\overline{BD} \perp \overline{AC}$, intersecting \overline{AC} at the point D, find $m(\overline{BD})$ (in cm).

- Ans**
- 1. 9
 - 2. 12
 - 3. 12.5
 - 4. 10

Q.23 A and B can complete a piece of work in 15 days, B and C in 30 days and C and A in 45 days. In how many days will they complete the work if they start working together?

- Ans**
- 1. $16 \frac{4}{11}$
 - 2. $11 \frac{1}{3}$
 - 3. $8 \frac{3}{11}$
 - 4. $11 \frac{2}{3}$

Q.24 In the year 2000, Monu was 3 times his sister's age. In 2010, he was 24 years older than her. Find Monu's age in 2010.

- Ans**
- 1. 52 years
 - 2. 62 years
 - 3. 46 years
 - 4. 38 years

Q.25 Gaurav marks his goods 50% above the cost price and offers a discount of 30% on the marked price to his customers. What is his percentage gain?

- Ans**
- 1. 4%
 - 2. 3%
 - 3. 2%
 - 4. 5%

Q.1 Hemis festival is associated with which of the following religions?

- Ans**
- 1. Jainism
 - 2. Hinduism
 - 3. Sikhism
 - 4. Buddhism

Q.2 Which of the following is the official language of Tripura?

- Ans**
- 1. Mizo
 - 2. Kokborak
 - 3. Khasi
 - 4. Garo

Q.3 Where is the Save button in Microsoft Word?

- Ans**
- 1. Top right corner of a Word window
 - 2. Top left corner of a Word window
 - 3. Bottom left corner of a Word window
 - 4. Bottom right corner of a Word window

Q.4 Which of the following currency note was discarded by the Government of India in November 2016?

- Ans**
- 1. ₹500
 - 2. ₹200
 - 3. ₹2,000
 - 4. ₹100

Q.5 Giddha dance is a folk dance of which of the following states?

- Ans**
- 1. Manipur
 - 2. Punjab
 - 3. Nagaland
 - 4. Odisha

Q.6 Ajit Kumar Mohanty took over the charge of Chairman, _____, in May 2023.

- Ans**
- 1. Bhabha Atomic Research Centre
 - 2. National Commission for Backward Classes
 - 3. National Human Rights Commission of India
 - 4. Atomic Energy Commission

Q.7 Which is the natural habitat of the Asiatic Lion in India?

- Ans**
- 1. Gir Forest
 - 2. Sundarbans
 - 3. Dudhwa National Park
 - 4. Kaziranga National Park

Q.8 Which of the following contains small droplets of liquid or particles of solid dispersed in a gas?

- Ans**
- 1. Aerosol
 - 2. Gel
 - 3. Vapour
 - 4. Foam

Q.9 Secularism is a feature of the Indian Constitution, which means:

- Ans**
- 1. The State does not promote any religion.
 - 2. The State promotes the religion of the minority community.
 - 3. The State promotes the religion of the majority community.
 - 4. The State can promote any religion.

Q.10 Which of the following occupies less memory when saving an MS-Word file?

- Ans**
- 1. .docx
 - 2. .docm
 - 3. .doc
 - 4. .docc

Q.11 In which year was the Konkan Railway constructed?

- Ans**
- 1. 1998
 - 2. 1978
 - 3. 1988
 - 4. 2008

Q.12 The Office of the Registrar General and Census Commissioner, India comes under the:

- Ans**
- 1. Ministry of Finance
 - 2. Ministry of Home Affairs
 - 3. Ministry of Corporate Affairs
 - 4. Ministry of Rural Development

Q.13 According to the International Football Association Board (IFAB), which colour must the football goal post be?

- Ans 1. Blue
 2. White
 3. Red
 4. Black

Q.14 Who introduced the concept of virtual water?

- Ans 1. MS Swaminathan
 2. Glubler Triplets
 3. John Anthony Allan
 4. Norman Borlaug

Q.15 What is the name of the scheme aimed at conservation of wetlands, which was announced in the Union Budget 2023-24?

- Ans 1. Amrit Dharohar
 2. Paryavaran Prahari
 3. Dharohar
 4. Paryavaran Suraksha

Q.16 Which of the following statement(s) is/are INCORRECT vis-à-vis Fundamental Duties?

- 1) The 44th amendment Act introduced Fundamental duties in the Constitution.
- 2) Fundamental Duties were expanded by the 86th amendment act.
- 3) Article 51A (a) entails respect its ideals and institutions, national flag and the national anthem.
- 4) Fundamental Duty obliges parents to provide opportunities for education to their child between 6-14 years of age.

- Ans 1. 1
 2. 2 and 3
 3. 2 and 4
 4. Only 3

Q.17 Who among the following Delhi Sultanate rulers took the policy of 'blood and iron' to deal with the Mewati community?

- Ans 1. Qutubuddin Aibak
 2. Rajiya
 3. Balban
 4. Iltutmish

Q.18 Who is the Indian batsman after whom the Ranji Trophy is named?

- Ans 1. Ranjit Singh Bedi
 2. Ranjit Sinhji
 3. Ranjit Patel
 4. Ranjit Wadekar

Q.19 Where is the ITC Sangeet Research Academy located?

- Ans 1. Kolkata
 2. Delhi
 3. Bengaluru
 4. Indore

Q.20 What is the minimum over rate per hour in a test match?

- Ans 1. 17 overs per hour
 2. 13 overs per hour
 3. 15 over per hour
 4. 10 overs per hour

Q.21 Which Governor General of India issued the famous Regulation XVII in 1829, which declared the practice of Sati illegal and punishable by the courts?

- Ans 1. Lord Ellenborough
 2. Lord William Bentinck
 3. Lord Napier
 4. Lord Minto

Q.22 In February 2023, Shiv Pratap Shukla was appointed governor of which state?

- Ans 1. Haryana
 2. Tamil Nadu
 3. Bihar
 4. Himachal Pradesh

Q.23 Identify the INCORRECT statement regarding invertebrates from the options given below.

- Ans 1. They have radial or bilateral body symmetry.
 2. They have a pair of solid nerve cords, situated ventrally and bearing segmentally arranged ganglia.
 3. They have open circulatory system as there is no organisation in the distribution.
 4. They possess a backbone and an internal skeleton.

Q.24 Which of the following is the second nearest star to Earth?

- Ans 1. Proxima Centauri
 2. Polaris
 3. Sirius
 4. Delta Velorum

Q.25 Bharat Muni, in his Natya Shastra, categorises musical instruments into four different parts. What is the categorisation of musical instruments by Bharat Muni based on?

- Ans 1. Different sounds of the musical instruments
 2. The shape of the musical instruments
 3. Different materials used in the musical instruments
 4. The uses of the musical instruments in different occasions, such as wedding, festivals and public gathering

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	Orlando Academy
Exam Date	04/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 Select the option with the correct use of future tense.

- Ans 1. I hope your health is get better by next week.
2. I hope your health will get better by next week.
3. I hope your health is getting better by next week.
4. I hope your health have been getting better by next week.

Q.2 Select the grammatically correct sentence.

- Ans 1. Ragini plays the guitar melodiously.
2. Ragini plays the guitar with melodiousness.
3. Ragini plays the guitar melodious.
4. Ragini plays the guitar with a melody.

Q.3 The following sentence has been divided into four parts. Identify the part that contains an error.

(A) I am hearing / (B) that the heat wave / (C) is going to be / (D) worse this year.

- Ans 1. B
2. D
3. A
4. C

Q.4 The following sentence has been split into four segments. Identify the segment that contains an INCORRECT preposition.

I am writing to invite you / to give a presentation / for our Jobs and Careers Conference / for engineering graduates.

- Ans 1. for engineering graduates
2. I am writing to invite you
3. for our Jobs and Careers Conference
4. to give a presentation

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Once upon a time, there was a man (1)_____ used to tell the fortunes of people. One day, he was telling the fortune as usual when a man came to him and said, "Somebody (2)_____ broken the door of your house and has stolen many valuables. Go home at once!" The fortune teller was (3)_____ shocked to hear the news. He could not utter a word out of shock. He just ran to his house as fast as he could. He was in such a hurry that he left all his things behind. Now, one of his customers saw him rushing and (4)_____, "Every day he (5)_____ the fortunes of so many people but today he could not see his own future!" The fortune teller felt very embarrassed.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. who
 2. by whom
 3. whom
 4. whose

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Once upon a time, there was a man (1)_____ used to tell the fortunes of people. One day, he was telling the fortune as usual when a man came to him and said, "Somebody (2)_____ broken the door of your house and has stolen many valuables. Go home at once!" The fortune teller was (3)_____ shocked to hear the news. He could not utter a word out of shock. He just ran to his house as fast as he could. He was in such a hurry that he left all his things behind. Now, one of his customers saw him rushing and (4)_____, "Every day he (5)_____ the fortunes of so many people but today he could not see his own future!" The fortune teller felt very embarrassed.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. had
 2. shall have
 3. has
 4. have

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Once upon a time, there was a man (1)_____ used to tell the fortunes of people. One day, he was telling the fortune as usual when a man came to him and said, "Somebody (2)_____ broken the door of your house and has stolen many valuables. Go home at once!" The fortune teller was (3)_____ shocked to hear the news. He could not utter a word out of shock. He just ran to his house as fast as he could. He was in such a hurry that he left all his things behind. Now, one of his customers saw him rushing and (4)_____, "Every day he (5)_____ the fortunes of so many people but today he could not see his own future!" The fortune teller felt very embarrassed.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. quite
 2. many
 3. so less
 4. so more

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Once upon a time, there was a man (1)_____ used to tell the fortunes of people. One day, he was telling the fortune as usual when a man came to him and said, "Somebody (2)_____ broken the door of your house and has stolen many valuables. Go home at once!" The fortune teller was (3)_____ shocked to hear the news. He could not utter a word out of shock. He just ran to his house as fast as he could. He was in such a hurry that he left all his things behind. Now, one of his customers saw him rushing and (4)_____, "Every day he (5)_____ the fortunes of so many people but today he could not see his own future!" The fortune teller felt very embarrassed.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. commenting
 2. comment
 3. comments
 4. commented

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Once upon a time, there was a man (1)_____ used to tell the fortunes of people. One day, he was telling the fortune as usual when a man came to him and said, "Somebody (2)_____ broken the door of your house and has stolen many valuables. Go home at once!" The fortune teller was (3)_____ shocked to hear the news. He could not utter a word out of shock. He just ran to his house as fast as he could. He was in such a hurry that he left all his things behind. Now, one of his customers saw him rushing and (4)_____, "Every day he (5)_____ the fortunes of so many people but today he could not see his own future!" The fortune teller felt very embarrassed.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. tell
 2. told
 3. tells
 4. telling

Q.10 Fill in the blank using the correct collocation.

We need to _____ a decision on the housing project tomorrow morning.

- Ans 1. build
 2. draw
 3. make
 4. frame

Q.11 Select the most appropriate ANTONYM of the underlined word in the following sentence.

There is also an increase in juvenile delinquency.

- Ans 1. Minor
 2. Teenage
 3. Puerile
 4. Adult

Q.12 Select the most appropriate synonym of the given word.

Lousy

- Ans 1. Pitiful
 2. Praiseworthy
 3. Moral
 4. Funny

Q.13 Select the most appropriate ANTONYM of the given word.

Resourceful

- Ans 1. Immaculate
 2. Incompetent
 3. Ingenious
 4. Impeccable

Q.14 Select the INCORRECTLY spelt word in the given sentence.

The west Africans have a heritage of produsing sculpture using wax and bronze.

- Ans 1. Produsing
 2. Heritage
 3. Bronze
 4. Sculpture

Q.15 Select the most appropriate synonym that can replace the underlined word in the given sentence.

It did not take her very long to ascend to power.

- Ans 1. arise
 2. grab
 3. climb
 4. reach

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The novel highlights the place of the endangered species in the rainforest.

- Ans 1. plight
 2. position
 3. perspective
 4. prowess

Q.17 Identify the INCORRECTLY spelt word in the following sentence and select its correct spelling from the given options.

The boy found the project to be a peice of cake because it was incredibly easy.

- Ans 1. piece
 2. foound
 3. incredibly
 4. praject

Q.18 Select the most appropriate ANTONYM of the given word.

Alluring

- Ans 1. Enticing
 2. Repulsive
 3. Fascinating
 4. Glamourous

Q.19 Select the option that will most suitably substitute the underlined part of the given sentence.

I gave my best dress to her on condition that she return it the very next day in a clean condition.

- Ans 1. on the condition that she would return
 2. on the conditions that she had return
 3. on the condition that she return
 4. on condition that she returned

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The boy watched a sci-fi movie in the lieu of playing in the game zone.

- Ans 1. on lieu of playing
 2. in lieu off playing
 3. in lieu of play
 4. in lieu of playing

Q.21 Select the most appropriate meaning of the underlined idiom.

Prakash could not make up his mind about what to do with the project.

- Ans 1. Abide
 2. Decide
 3. Think
 4. Abandon

Q.22 Select the most appropriate option that can substitute the underlined part in the following sentence.

My entire family left me in the lurch when I went to them after I divorced my husband.

- Ans 1. attempted to harass me
 2. blamed only me for my failure
 3. scorned me for committing mistakes
 4. refused to help me in my distress

Q.23 Select the most appropriate option that can substitute the underlined word in the following sentence.

His flight departs in 5:00 pm.

- Ans 1. of
 2. at
 3. for
 4. from

Q.24 Select the most appropriate ANTONYM of the given word.

Agile

- Ans 1. Active
 2. Energetic
 3. Sluggish
 4. Apathetic

Q.25 Select the most appropriate synonym of the given word.

Peculiar

- Ans 1. Revolutionary
 2. Frequent
 3. Strange
 4. Usual

Q.1 If 23 January 2002 was Wednesday, then what was the day of the week on 26 January 2007?

- Ans 1. Saturday
 2. Sunday
 3. Friday
 4. Monday

Q.2 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$16 \text{ B } 8 \text{ D } 51 \text{ A } 3 \text{ C } 57 = ?$$

- Ans 1. 168
 2. 188
 3. 148
 4. 128

Q.3 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. RUX
 2. KMP
 3. NQT
 4. BEH

Q.4 In a certain code language, 'hands are dirty' is written as 'ca bx vp' and 'dirty things flies' is written as 'by vp cb'. How is 'dirty' written in the given language?

- Ans 1. vp
 2. by
 3. cb
 4. bx

Q.5 11 is related to 121 by certain logic. Following the same logic, 21 is related to 441. To which of the following is 31 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. 428
 2. 961
 3. 356
 4. 960

Q.6 If 26 November 2013 was Tuesday, then what was the day of the week on 29 November 2018?

- Ans 1. Saturday
 2. Friday
 3. Wednesday
 4. Thursday

Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order? MKH, PNK, SQN, VTQ, ?

- Ans 1. WYT
 2. WTY
 3. YTW
 4. YWT

Q.8 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All space is wind.

Some wind is earth.

Some fire is earth.

Conclusion (I): All earth is space.

Conclusion (II): Some wind is fire.

- Ans 1. Only conclusion (I) follows.
 2. Only conclusion (II) follows.
 3. Both conclusions (I) and (II) follow.
 4. Neither conclusion (I) nor (II) follows.

Q.9 In a certain code language

A + B means 'A is the mother of B'

A - B means 'A is the sister of B'

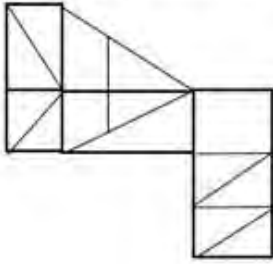
A × B means 'A is the wife of B'

A ÷ B means 'A is the son of B'

Based on the above, how is Z related to W if 'Z × Y ÷ X - V + W'?

- Ans 1. Mother's brother's son's wife
 2. Mother's sister's daughter
 3. Mother's sister's son's wife
 4. Mother's sister's son's daughter

Q.10 How many triangles are there in the given figure?



- Ans
- 1. 14
 - 2. 12
 - 3. 9
 - 4. 16

Q.11 AQLZ is related to SIDR in a certain way based on the English alphabetical order. In the same way, CPDV is related to UHVN. To which of the following is EBRY related, following the same logic?

- Ans
- 1. WTJQ
 - 2. WQTJ
 - 3. WQJT
 - 4. WTQJ

Q.12 Which of the following numbers will replace the question mark (?) in the given series?
93 111 139 157 185 203 ?

- Ans
- 1. 211
 - 2. 215
 - 3. 227
 - 4. 231

KD JOB UPDATES

Q.13 Which figure should replace the question mark (?) if the following figure series were to be continued?

3	T	A	Z	6	3	3	A	Z	T	6	3	?
	6			T		6			A			
Z		=	=		A	T	=	=		Z		

Ans

1.

3	Z	A
	T	
6		=

2.

3	Z	T
	6	
A		=

3.

3	T	6
	Z	
A		=

4.

Z	=	T
	6	
A		3

Q.14 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, 12, 26)
(7, 9, 53)

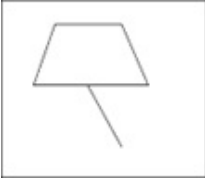
- Ans
- 1. (5, 15, 45)
 - 2. (12, 4, 114)
 - 3. (7, 5, 25)
 - 4. (4, 9, 16)

Q.15 What should come in place of the question mark (?) in the given series?

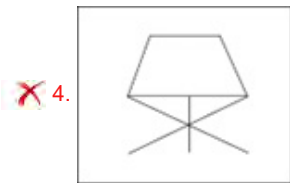
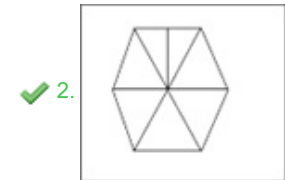
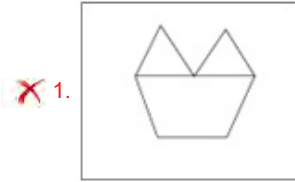
77, 79, 83, 89, 97, ?

- Ans
- 1. 107
 - 2. 108
 - 3. 105
 - 4. 106

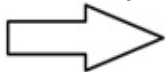
Q.16 Select the option in which the given figure is embedded (rotation is not allowed).



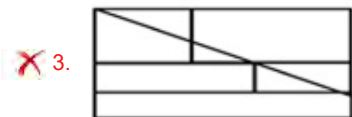
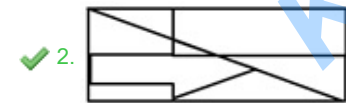
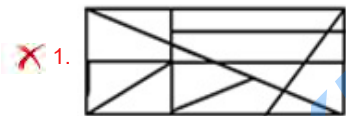
Ans



Q.17 Select the option in which the given figure is embedded. (Rotation is NOT allowed).



Ans



Q.18 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FJK : KOP

MQR : RVW

Ans 1. ADE : ZWV

2. JMP : ORU

3. PRS : SRP

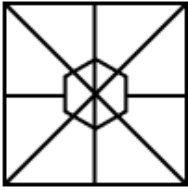
4. GMN : FLM

Q.19 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

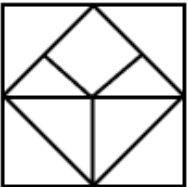


Ans

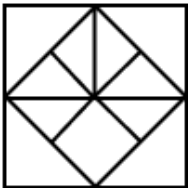
1.



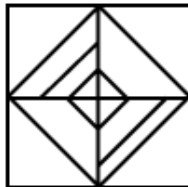
2.



3.

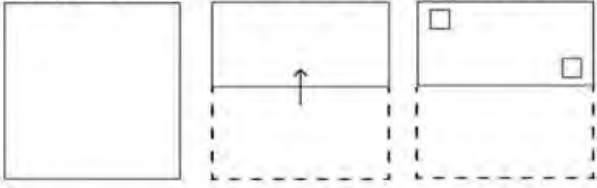


4.



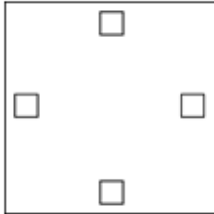
KD JOB UPDATES

Q.20 A paper is folded and cut as shown below. How will it appear when unfolded?

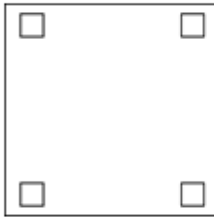


Ans

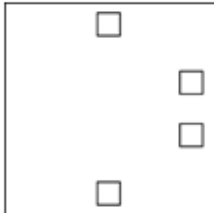
1.



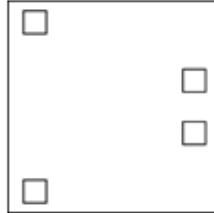
2.



3.



4.



Q.21 Which two numbers should be interchanged to make the given equation correct?

$$17 \times 7 + (21 \div 3) \times 5 - 28 + 34 = 72$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

Ans 1. 21 and 28

2. 5 and 7

3. 17 and 28

4. 7 and 3

Q.22 Which letter-cluster will replace the question mark (?) to complete the given series?
UTHS, VRKO, ?, XNQG, YLTC

Ans 1. TONK

2. WONJ

3. WPNK

4. WPMN

Q.23 What should come in place of the question mark (?) in the given series?
77, 88, 101, 116, ?


- Ans
- 1. 133
 - 2. 131
 - 3. 313
 - 4. 331





Q.24 If 'E' stands for '+', 'U' stands for 'x', 'A' stands for '+' and 'C' stands for '-', what will come in place of the question mark (?) in the following equation?
16 A 24 C 30 E 15 U 9 = ?

- Ans
- 1. 78
 - 2. 32
 - 3. 22
 - 4. 66

Q.25 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

Ans



- 1. 
- 2. 
- 3. 
- 4. 

KD JOB UPDATES

Q.1 Study the given table and select the most appropriate option to fill in the blanks.

Consider the data of sales of products, A, B and C, by three companies, X, Y and Z, in the table given below.

Product → Company ↓	A	B	C
X	2750	3250	2250
Y	2500	3000	1750
Z	3500	3150	2400

The highest average sale per company is for the product _____ and the lowest average sale per product is for the company _____.

- Ans**
- 1. B; Z
 - 2. B; Y
 - 3. A; Y
 - 4. A; X

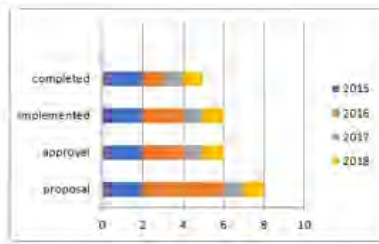
Q.2 Arun and Bhaskar run a race of 3 km. First, Arun gives Bhaskar a head start of 400 m and beats him by 30 seconds. While coming back, Arun gives Bhaskar a lead of 2.5 minutes and gets beaten by 500 m. What is the difference between the times in minutes in which Arun and Bhaskar can run the race for one side separately?

- Ans**
- 1. 2 min
 - 2. 1.5 min
 - 3. 2.5 min
 - 4. 3 min

Q.3 In $\triangle ABC$, P and Q are the middle points of the sides AB and AC, respectively. R is a point on the segment PQ such that $PR: RQ = 1:5$. If $PR = 6$ cm, then $BC =$ _____.

- Ans**
- 1. 72 cm
 - 2. 68 cm
 - 3. 66 cm
 - 4. 70 cm

Q.4



A company starts constructing buildings for a college. The constructions have 4 stages.

1. buildings proposals
2. proposals approval
3. constructions implemented
4. buildings completed

The above 3D-bar graph indicates the status of constructions for 4 years 2015 to 2018.

The X-axis scale 0, 2,4,6,8,10 indicates 0, 20%, 40%, 60%, 80%, 100%.

Study the bar graph carefully and answer the following question.

Find the total percentage of buildings completed during the total period, 2015 to 2018.

- Ans
- 1. 50%
 - 2. 30%
 - 3. 40%
 - 4. 60%

Q.5 A can complete a piece of work in 20 days and B can complete the same work in 10 days. With the help of C, working together they completed the work in 5 days. The number of days in which C alone can complete the work is:

- Ans
- 1. 20
 - 2. 25
 - 3. 10
 - 4. 15

Q.6 The measures of the three angles of a triangle are such that the smallest angle measures 42° less than the greatest angle, while the measure of the remaining angle is 24° more than the measure of the smallest angle. Find the measure of the smallest angle of the triangle.

- Ans
- 1. 40°
 - 2. 42°
 - 3. 36°
 - 4. 38°

Q.7 Rahul spends 70% of his income. His income increased by 15% and his expenditure increased by 7.5%. What is the percentage increase in his savings?

- Ans
- 1. 32.5%
 - 2. 25.5%
 - 3. 50%
 - 4. 30.5%

Q.8 In right triangle ABC with right angle at C, M is the mid-point of hypotenuse AB. C is joined to M and produced to a point D, such that DM = CM. Point D is joined to B. If CD = 10 cm, and BD = 6 cm, find the value of CM.

- Ans
- 1. 11.4 cm
 - 2. 5 cm
 - 3. 9.5 cm
 - 4. 8 cm

Q.9 In a college, the average weight of 40 boys in a section among 72 students is 33 kg and that of the remaining students is 15 kg. What is the average weight of all the students in the section?

- Ans
- 1. 24 kg
 - 2. 25 kg
 - 3. 22 kg
 - 4. 18 kg

Q.10 Find the area of a rhombus whose diagonals are of lengths 10 cm and 8.2 cm.

- Ans
- 1. 40 cm²
 - 2. 42 cm²
 - 3. 41 cm²
 - 4. 43 cm²

Q.11 If two numbers are each divided by the same divisor, then the remainders are 6 and 7, respectively. If the sum of the two numbers be divided by the same divisor, then the remainder is 5. The divisor is:

- Ans
- 1. 6
 - 2. 4
 - 3. 13
 - 4. 8

Q.12 What is the value of $\frac{1}{\sin^4(90^\circ - 2\alpha)} + \frac{1}{\cos^2(90^\circ - 2\alpha) - 1}$?

- Ans
- 1. $\sin^2 2\alpha + \tan^2 2\alpha$
 - 2. $\sec^2 2\alpha + \cot^2 2\alpha$
 - 3. $\cos^2 2\alpha \cot^2 2\alpha$
 - 4. $\sec^2 2\alpha \tan^2 2\alpha$

Q.13 Last year, Ranjan's monthly salary was ₹34,500 and this year his monthly salary is ₹38,640. What is the percentage increase in Ranjan's monthly salary this year over his monthly salary last year?

- Ans
- 1. 15%
 - 2. 13%
 - 3. 12%
 - 4. 20%

Q.14 The given table shows the number of candidates who have appeared, qualified and been selected in an examination from two states A and B over the years 2001 to 2005.

Year	State A			State B		
	Applied	Qualified	Selected	Applied	Qualified	Selected
2001	8000	850	94	8200	680	85
2002	4800	500	48	6800	600	70
2003	7500	640	82	6500	525	65
2004	9500	850	90	7800	720	84
2005	9000	800	70	5700	485	60

In the year 2001, the percentage of candidates who were selected over the candidates who applied in State A is:

- Ans** 1. 1.175%
 2. 1.185%
 3. 1.155%
 4. 1.165%

Q.15 How much time (in years) will it take for an amount of ₹4,50,000 to yield ₹45,000 as simple interest at a 5% per annum rate of interest?

- Ans** 1. 4
 2. 2
 3. 5
 4. 3

Q.16 The cost of rice is increased by 25% but its consumption is decreased by 30%. Find the percentage increase or decrease in the expenditure of money.

- Ans** 1. Decrease $12\frac{1}{2}\%$
 2. Decrease $13\frac{1}{3}\%$
 3. Increase $12\frac{1}{2}\%$
 4. Increase $13\frac{1}{3}\%$

Q.17 The radius of a sphere is increased by 25%. What is the increase per cent in surface area?

- Ans** 1. 15.55%
 2. 36.45%
 3. 56.25%
 4. 25.25%

Q.18 10 years ago, a man's age was 5 times of his son's age. 2 years hence, twice his age will be equal to 4 times the age of his son. What is the present age (in years) of the son?

- Ans** 1. 14
 2. 16
 3. 20
 4. 18

Q.19 The centers of two circles of radii 25 cm and 35 cm are 80 cm apart. What is the ratio of the lengths of the transverse common tangent to the direct common tangent to these circles?

Ans

1. $\sqrt{7} : 3$

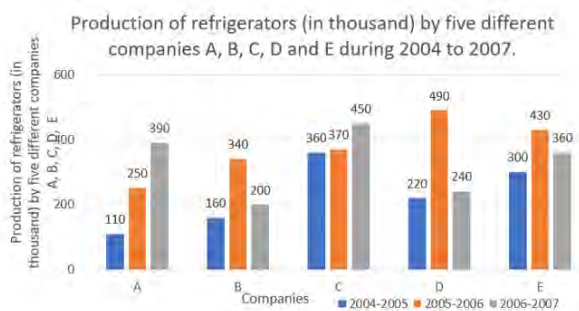
2. $2 : 3$

3. $2 : \sqrt{7}$

4. $3\sqrt{7} : 2$

Q.20 Study the given bar-graph and answer the question that follows.

The bar-graph shows the production of refrigerators (in thousand) by five different companies A, B, C, D and E during 2004 to 2007.



What is the ratio of the average production of the refrigerators by companies A, B and E taken together for the year 2004-2005 to the average production of the refrigerators by companies C and D taken together for the year 2005-2006?

Ans

1. 43:19

2. 41:19

3. 19:41

4. 19:43

Q.21 The value of $10 + 3\frac{3}{5} \div \left[2\frac{2}{3} \div \left\{ 7\frac{1}{6} - \left(2\frac{1}{2} + \frac{2}{3} \right) \right\} \right]$ is equal to:

Ans

1. $\frac{27}{55}$

2. $\frac{77}{5}$

3. $\frac{55}{27}$

4. $\frac{5}{77}$

Q.22 A company sells goods at a markup of 25% above the cost price. During a sale, the company offers a 10% discount on the marked price. If the customer pays ₹540 after the discount, then what was the original cost price of the goods?

- Ans**
- 1. ₹470
 - 2. ₹460
 - 3. ₹480
 - 4. ₹450

Q.23 What is the curved surface area of cylinder whose radius is 3cm and height is 14cm? (Take $\pi = \frac{22}{7}$)

- Ans**
- 1. 262 cm²
 - 2. 264 cm²
 - 3. 263 cm²
 - 4. 261 cm²

Q.24 Kamlesh offers the following two discount schemes to his customers on the sale of an article:

- (i) Two successive discounts of 25% and 5%
- (ii) Two successive discounts of 20% and 10%

What is the difference between the selling price (in ₹) of the article under these two discount schemes if its marked price is ₹1,000?

- Ans**
- 1. 7.0
 - 2. 7.5
 - 3. 8.0
 - 4. 6.5

Q.25 Find the fourth proportional to 2, 6, 8.

- Ans**
- 1. 36
 - 2. 24
 - 3. 12
 - 4. 48

Q.1 Which was the first programmable general purpose computer in the world?

- Ans**
- 1. ENIAC
 - 2. Mark I
 - 3. Napier's bones
 - 4. Pascaline

Q.2 Which type of system did the leaders of independent India decide to adopt?

- Ans**
- 1. A system that would promote the welfare of private enterprises
 - 2. A system that would promote the welfare of few rather than all
 - 3. A system that would promote the welfare of all rather than a few
 - 4. A system that would promote the welfare of the government

Q.3 Which classical dance was introduced by the great Vaishnava saint and reformer of Assam?

- Ans 1. Kathak
 2. Kuchipudi
 3. Sattriya
 4. Odissi

Q.4 How many fundamental duties were recommended to be inserted in the Indian Constitution by the Swarna Singh Committee?

- Ans 1. 9
 2. 7
 3. 6
 4. 8

Q.5 Parkash Singh Badal passed away in April 2023. He served as Chief Minister of _____ for five times.

- Ans 1. Haryana
 2. Bihar
 3. Punjab
 4. Himachal Pradesh

Q.6 In which year did Wilhelm Johannsen coin the term 'gene' to describe the Mendelian units of heredity?

- Ans 1. 1920
 2. 1900
 3. 1909
 4. 1910

Q.7 The 9th Men's ICC T20 World Cup Cricket 2024 will be hosted by which of the following countries?

- Ans 1. India and Bangladesh
 2. India and Sri Lanka
 3. Canada and USA
 4. West Indies and USA

Q.8 Which country's national game is Chinlone (Caneball)?

- Ans 1. Myanmar
 2. China
 3. Afghanistan
 4. Bhutan

Q.9 India hosted Men's Hockey World Cup in 2023 at:

- Ans 1. Bhubaneswar and Rourkela
 2. Amritsar and Bathinda
 3. Patna and Gaya
 4. Nashik and Nagpur

Q.10 What is the primary aim of Regional Rural Banks in India?

- Ans
- 1. Development of urban economy
 - 2. Development of semi-urban economy
 - 3. Development of rural economy
 - 4. Development of metropolitan economy

Q.11 Which feature in MS Word allows you to see a document's layout and formatting as it will appear when printed?

- Ans
- 1. Screen View
 - 2. Draft View
 - 3. Print Preview
 - 4. Reading View

Q.12 In which of the following years did the Constitution (One Hundredth Amendment) Act come into force?

- Ans
- 1. 2015
 - 2. 2020
 - 3. 2009
 - 4. 2001

Q.13 In February 2023, PARAKH became the First National Assessment Regulator. What does R stand for in PARAKH?

- Ans
- 1. Recall
 - 2. Report
 - 3. Related
 - 4. Review

Q.14 The Atal Tunnel has been built by Border Road Organisation at an altitude of 3000 metres. Which places are connected by this tunnel?

- Ans
- 1. Manali to Shimla
 - 2. Shimla to Srinagar
 - 3. Shimla to Ladakh
 - 4. Manali to Lahaul-Spiti

Q.15 Which of the following writs in Latin means 'we command'?

- Ans
- 1. Prohibition
 - 2. Habeas corpus
 - 3. Mandamus
 - 4. Quo-warranto

Q.16 On 12 September 2002, ISRO launched the Kalpana-1 satellite using the Polar Satellite Launch Vehicle. What is the application of this satellite?

- Ans
- 1. Earth observation
 - 2. Planetary observation
 - 3. Climate & environment communication
 - 4. Disaster management system

Q.17 What is the standard weight of hammer for women in the hammer throw event?

- Ans 1. 5 kg
 2. 4 kg
 3. 8 kg
 4. 6 kg

Q.18 What does SAARC stand for?

- Ans 1. South Asian Association of Regional Climate change
 2. South Asian Association for Regional Cooperation
 3. South Asian Association of Regional Cartography
 4. South Asian Association of Regional Corporation

Q.19 Which Act was enacted by the British which regulated the manufacture, sale, possession and transport of firearms?

- Ans 1. Indian Arms Act, 1878
 2. The Arms Act, 1857
 3. The Arm Rules, 1839
 4. The Firearms Act, 1871

Q.20 Brihadiswara Temple of Tanjore was built by which of the following Chola emperors?

- Ans 1. Vijayalaya
 2. Chamunda Raya
 3. Rajendra I
 4. Raja Raja Chola

Q.21 Dussehra festival is celebrated in which of the following Hindu months?

- Ans 1. Vaisakha
 2. Ashwin
 3. Ashadha
 4. Chaitra

Q.22 In whose ashram did the Beatles compose rock music in 1968 influenced by classical music?

- Ans 1. Osho Rajnish Ashram
 2. Maharshi Aurobindo Ashram
 3. Pandit Ravishankar Ashram
 4. Maharshi Mahesh Yogi Ashram

Q.23 Electrochemical cell is a device which converts chemical energy into electrical energy in a/an _____.

- Ans 1. oxidation reaction
 2. reduction reaction
 3. indirect redox reaction
 4. direct redox reaction

Q.24 In which state is the Nanda Devi Biosphere Reserve located?

- Ans**
- 1. Assam
 - 2. Himachal Pradesh
 - 3. Odisha
 - 4. Uttarakhand

Q.25 In classical Carnatic music, tempo is called as _____.

- Ans**
- 1. padam
 - 2. gita
 - 3. laya
 - 4. achala

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Keshaw Puram
Exam Date	04/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into four parts. Identify the part that contains an error.

Pratigya arrived / to the / railway station / five hours early.

- Ans 1. to the
 2. five hours early.
 3. Pratigya arrived
 4. railway station

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The companies were / giving in the prizes / to attract customers / during the festive season.

- Ans 1. to attract customers
 2. The companies were
 3. giving in the prizes
 4. during the festive season

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

This artwork / are a wonderful example / of the period's vogue / for realistic style.

- Ans 1. are a wonderful example
 2. This artwork
 3. for realistic style
 4. of the period's vogue

Q.4 Identify the error in the following sentence and select the option with the correct use of the phrasal verb.

Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he blacked out.

- Ans 1. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he broke in.
 2. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he chickened out.
 3. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he checked out.
 4. Prateek was planning to ask Shreya for a favour. But he could not muster up the courage. So, he turned down.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. paused
 2. caused
 3. excruciated
 4. discouraged

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. including small-scale
 2. including large-scale
 3. excluding small-scale
 4. excluding large-scale

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. restricted
 2. basic
 3. inflated
 4. unlimited

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. success
 2. goal
 3. incompetency
 4. self-sufficiency

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Famines were (1) _____ during the period of British rule due to many reasons (2) _____ unemployment following import of machine-made goods from Britain, overexploitation of farmers and (3) _____ access to food. India suffered two very severe droughts in 1965 and 1966. India achieved (4) _____ in food grains by the year 1976 through the implementation of the seed-water-fertiliser-led (5) _____. The country is no longer exposed to real famines. However, lack of purchasing power continues to haunt people in some parts of the country.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. Pink Revolution
 2. White Revolution
 3. Green Revolution
 4. Blue Revolution

Q.10 Choose the option that best describes the meaning of the idioms and phrases underlined in the given sentence.

You can best identify the fair weather friends at the time of adversity.

- Ans 1. Friend only at the time of prosperity
 2. Best friends
 3. Friends who come in good weather conditions
 4. Friends who bring good rain

Q.11 The balloon started to deflate after being pricked with a needle. What is the ANTONYM of 'deflate'?

- Ans 1. Compress
 2. Shrink
 3. Flatten
 4. Inflate

Q.12 Select the most appropriate meaning of the underlined idiom in the following sentence.

I can't begin to talk on this situation right now; I am still wrapping my head around it.

- Ans
- 1. Understanding something complicated
 - 2. Comparing two things that can't be compared
 - 3. Revealing a secret nobody knows
 - 4. Ignoring something completely

Q.13 Complete the given sentence with an appropriate homophone from the given options.

It is better to focus on your _____ than to wander aimlessly.

- Ans
- 1. carreer
 - 2. carrier
 - 3. courier
 - 4. career

Q.14 Select the most appropriate synonym of the given word.

Affirm

- Ans
- 1. Correlate
 - 2. Confirm
 - 3. Convey
 - 4. Deliver

Q.15 Identify the incorrectly spelt word and select its correct spelling.

The calandar was reformed during the time of Julius Caesar.

- Ans
- 1. calendar
 - 2. reeformed
 - 3. celender
 - 4. riformed

Q.16 Select the most appropriate synonym of the given word.

Fertile

- Ans
- 1. Hectic
 - 2. Destructive
 - 3. Amusing
 - 4. Productive

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.

He is almost quiet well.

- Ans
- 1. quite
 - 2. almost quietly
 - 3. quiet
 - 4. very quite

Q.18 Select the most appropriate option to correct the sentence by using meaning of the undelined word.
In the winter season, the poor woman needed a refuge where she could live freely and independently.

- Ans 1. Inn
 2. School
 3. Tent
 4. Shelter

Q.19 There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word.
The mighty gaint brought a marigold for the princess.

- Ans 1. mighty
 2. gaint
 3. marigold
 4. princess

Q.20 Read the given sentence carefully. Change the meaning of the sentence by replacing the underlined word with its ANTONYM from the following options.
I have keen interest in reading the mind of those students who are boisterous at home but on their best behaviour at school.

- Ans 1. frothing
 2. raucous
 3. clamorous
 4. placid

Q.21 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

The revolt of the labourers will be considered as an epoch in the world history.

- Ans 1. unpopular measure
 2. hostile event
 3. important period
 4. commendable act

Q.22 Select the most appropriate option that can substitute the underlined word segment in the following sentence.
It is a high-pay job.

- Ans 1. low-pay
 2. high-paid
 3. low-paid
 4. high-paying

Q.23 Select the most appropriate ANTONYM of the underlined word in the sentence.
He purchased very cheap dresses.

- Ans 1. Doltish
 2. Lively
 3. Expensive
 4. Paltry

Q.24 Select the most appropriate homophone to fill in the blank.
The mechanics tried a lot to get that car _____ from the accident spot.

- Ans 1. towed
 2. toad
 3. told
 4. toed

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Many a women work for the betterment of their family.

- Ans 1. Many a woman works for
 2. Many a woman worked for
 3. Many a women working for
 4. Many a women works for

Q.1 If 'W' stands for '+', 'Y' stands for '×', 'Z' stands for '+' and 'A' stands for '-', what will come in place of the question mark (?) in the following equation?

$$11 W 11 Y 11 Z 11 A 11 = ?$$

- Ans 1. 21
 2. 11
 3. 42
 4. 22

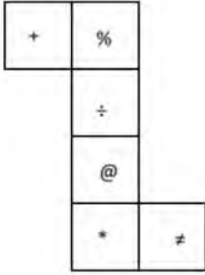
Q.2 The position of how many letters will remain unchanged if each of the letters in the word FLAMINGOES is arranged from left to right in alphabetical order?

- Ans 1. None
 2. One
 3. Three
 4. Two

Q.3 In a certain code language, 'cold summers day' is written as 'kl bn ix' and 'day and night' is written as 'kj ed bn'. How is 'day' written in the given language?

- Ans 1. ix
 2. kj
 3. bn
 4. kl

Q.4 What would be the symbol on the opposite side of '+' if the given sheet is folded to form a cube?



Ans ✓ 1. *

✗ 2. +

✗ 3. %

✗ 4. ≠

Q.5 What should come in place of ? in the given series based on the English alphabetical order?

GOW NIB UCG BWL ?

Ans ✗ 1. XOF

✗ 2. VLB

✓ 3. IQQ

✗ 4. ZQH

Q.6 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

96 B 3 D 285 A 5 C 11 = ?

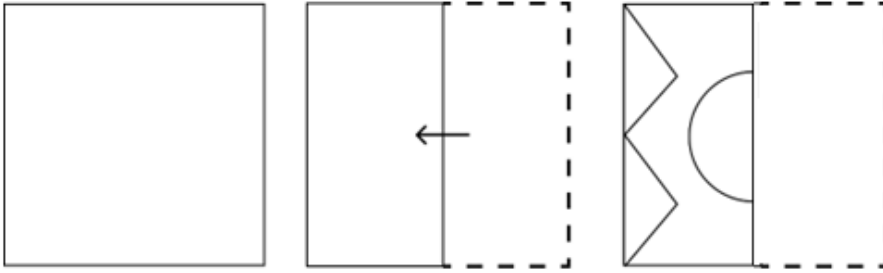
Ans ✗ 1. 272

✗ 2. 252

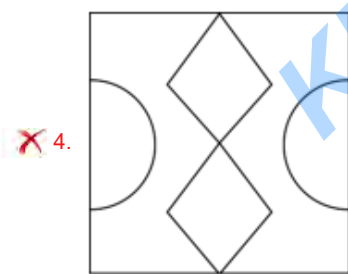
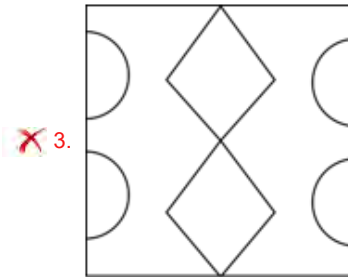
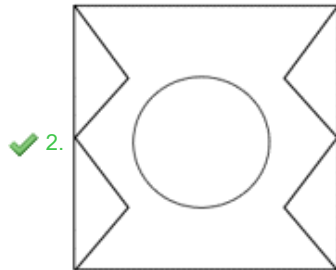
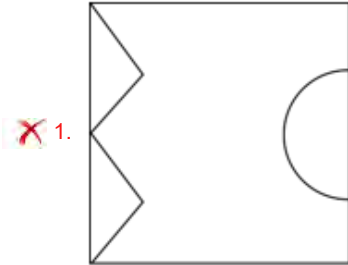
✓ 3. 242

✗ 4. 262

Q.7 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



KD JOB UPDATES

Q.8 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No pillow is a cushion.

All cushions are sheets.

No sheet is a blanket.

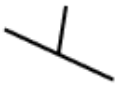
Conclusions:

(I) No cushion is a blanket.

(II) Some pillows are sheets.

- Ans**
- 1. Only conclusion I follows
 - 2. Only conclusion II follows
 - 3. None of the conclusions follow
 - 4. Both conclusions I and II follow

Q.9 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

Q.10 If 16 September 2010 is Thursday, then what will be the day of the week on 17 August 2017?

- Ans**
- 1. Monday
 - 2. Wednesday
 - 3. Sunday
 - 4. Thursday

Q.11 Which of the following numbers will replace the question mark (?) in the given series?

291 256 310 275 329 294 ?

- Ans 1. 356
 2. 348
 3. 331
 4. 375

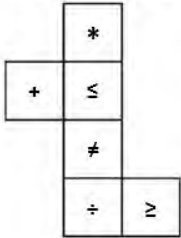
Q.12 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Antibiotic : Infection

- Ans 1. Anticlimax : Episode
 2. Purgative : Eating
 3. Antidote : Poisoning
 4. Antibody : Braise

Q.13 What would be the symbol on the opposite side of ' \leq ' if the given sheet is folded to form a cube?



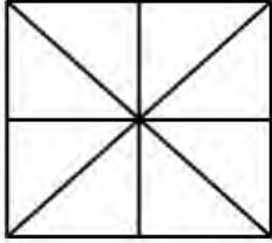
- Ans 1. \geq
 2. *
 3. +
 4. <

Q.14 What should come in place of the question mark (?) in the given series?

15, 30, 90, 360, 1800, ?

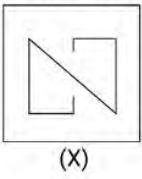
- Ans 1. 14000
 2. 10800
 3. 11000
 4. 12000

Q.15 How many triangles are there in the following figure?



- Ans
- 1. 16
 - 2. 17
 - 3. 14
 - 4. 15

Q.16 Select the option in which the given figure X is embedded (i.e. contains figure X in the same form).



Ans

- 1.
- 2.
- 3.
- 4.

KD JOB UPDATES

Q.17 30 is related to 216 by certain logic. Following the same logic, 40 is related to 226. To which of the following is 50 related, following the same logic?
 (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. 236
 2. 250
 3. 238
 4. 248

Q.18 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
 (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
 (3, 34, 5)
 (10, 136, 6)

- Ans 1. (9, 115, 6)
 2. (11, 125, 4)
 3. (7, 113, 8)
 4. (5, 60, 6)

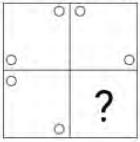
Q.19 In a certain code language
 A + B means 'A is the son of B'
 A – B means 'A is the brother of B'
 A × B means 'A is the wife of B'
 A ÷ B means 'A is the father of B'
 Based on the above, how is P related to T if 'P × Q – R ÷ S + T'?

- Ans 1. Husband's brother's daughter
 2. Husband's sister
 3. Husband's brother's wife
 4. Husband's mother

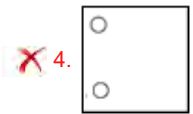
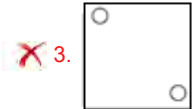
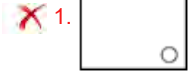
Q.20 In a certain code language, 'bottle is blue' is coded as 'see mo tu' and 'sky is blue' is coded as 'mo tu lo'. What is the code for 'bottle' in that language?

- Ans 1. see
 2. mo
 3. tu
 4. lo

Q.21 Identify the figure given in the options which when put in place of ? will logically complete the pattern.



Ans



Q.22 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 59?

Ans 1. 22 B 6 D 190 A 2 C 22

2. 22 B 6 C 190 A 2 D 22

3. 22 B 6 D 190 C 2 A 22

4. 22 A 6 D 190 B 2 C 22

Q.23 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

1) ADBC

2) JMKL

3) FJHI

4) VYWX

Ans 1. VYWX

2. JMKL

3. FJHI

4. ADBC

Q.24 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Carpenter : Furniture

Ans 1. Book : Author

2. Cook : Soup

3. Dam : Engineer

4. Magazine : Editor

Q.25 Select the correct combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete.

_WSVR_QTPS_RNQM_LOK_

- Ans
- 1. XUQPM
 - 2. XVQLM
 - 3. TVOLN
 - 4. TUOPN

Q.1 Find the third proportion to 36 and 48.

- Ans
- 1. 36
 - 2. 54
 - 3. 48
 - 4. 64

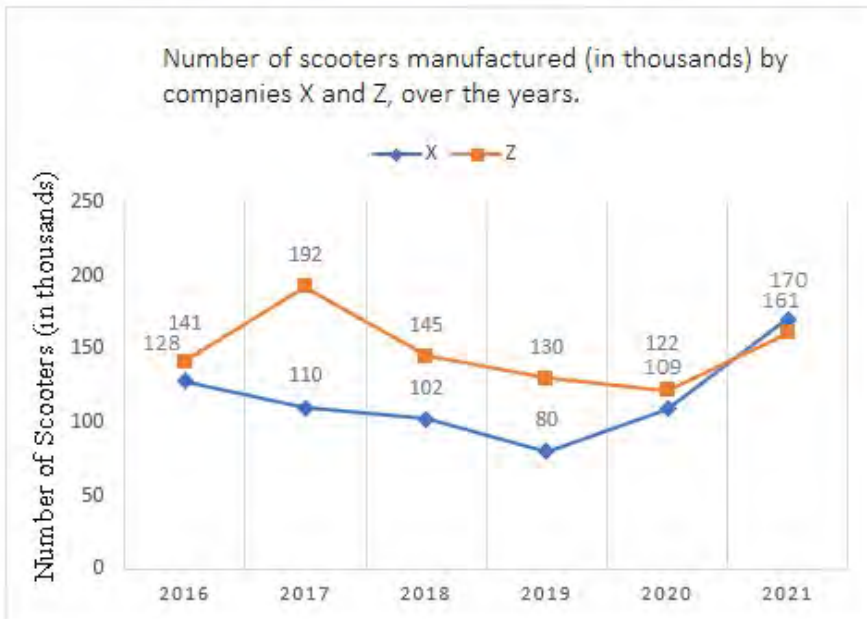
Q.2 Two circles with centres M and N have radii 5 cm and 8 cm, respectively. The circles touch each other externally at point T. A line PR is drawn such that the points M, T and N lie on PR, P being closer to M. From P, a tangent PQ = 12 cm is drawn to the circle with centre M touching at Q, and from R, another tangent RS = 15 cm is drawn to the circle with centre N touching at S. What is the length (in cm) of PR?

- Ans
- 1. 53
 - 2. 43
 - 3. 26
 - 4. 37

Q.3 The marked price of an article is 25% more than its cost price. If a scheme discount of 40% is given, then the loss percentage is:

- Ans
- 1. 25%
 - 2. 30%
 - 3. 15%
 - 4. 20%

Q.4 The given line graph shows the number of scooters manufactured (in thousands) by companies X and Z, over the years.



In which of the following years was the difference between the production by companies X and Z the maximum among the given years?

- Ans
- 1. 2019
 - 2. 2020
 - 3. 2017
 - 4. 2018

Q.5 If the average of a number and its reciprocal is 2, then the average of its cube and its reciprocal is equal to:

- Ans
- 1. 36
 - 2. 48
 - 3. 28
 - 4. 26

Q.6 The perimeter of a semi-circle is 56.54 cm. What is its diameter (in cm)?

(Use $\pi = 3.14$)

- Ans
- 1. 22
 - 2. 20
 - 3. 11
 - 4. 10

Q.7 Simplify:

$$3\frac{4}{7} - \left[16\frac{1}{2} \div \left\{ 6^2 - \left(7 - 2\frac{1}{2} \right) \right\} \right]$$

- Ans
- 1. $\frac{25}{11}$
 - 2. $\frac{64}{21}$
 - 3. $\frac{64}{11}$
 - 4. $\frac{25}{21}$

Q.8 A car covers a certain distance in 85 minutes, if it runs at a speed of 36 km/hr. The speed at which the car must run to reduce the time of journey to 51 minutes will be:

- Ans
- 1. 50 km/hr
 - 2. 60 km/hr
 - 3. 70 km/hr
 - 4. 80 km/hr

Q.9 Find the remainder, when we divide $2x^3 - 3x^2 + 6x - 4$ by $2x - 3$.

- Ans
- 1. 6
 - 2. -6
 - 3. 5
 - 4. -5

Q.10 The total surface area of a solid hemisphere of diameter 28 cm is:

- Ans
- 1. 1848 cm^2
 - 2. 1784 cm^2
 - 3. 1488 cm^2
 - 4. 1648 cm^2

Q.11 Express the following as decimals, respectively.
20%, 0.5%, 0.03%

- Ans
- 1. 0.02, 0.005, 0.0003
 - 2. 0.02, 0.005, 0.003
 - 3. 0.2, 0.0005, 0.0003
 - 4. 0.2, 0.005, 0.0003

Q.12 If θ is an acute angle and $\cot\theta + \tan\theta = 2$, then find the value of $\tan^{12}\theta + \cot^{12}\theta + 2\tan^5\theta\cot^7\theta$.

- Ans
- 1. 2
 - 2. 3
 - 3. 4
 - 4. 1

Q.13 Rahna decided to buy a scooty that costs ₹40,000. The shopkeeper agreed to sell the scooty under the condition of ₹25,000 cash down payment of ₹4,000 each month for four months. Find the rate of interest at which the shopkeeper sold the scooty under the instalment scheme.

Ans 1. 33%

2. $16\frac{1}{2}\%$

3. $18\frac{1}{2}\%$

4. $10\frac{1}{3}\%$

Q.14 Read the given information and answer the question that follows.

The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

The number in the brackets gives the maximum marks in each subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

How many students secured a raw score of at least 30 in Computer Science?

Ans 1. 4

2. 2

3. 3

4. 5

Q.15 Find the capacity of an overhead cylindrical water tank, in litres, whose radius is 2.1 m and height is 6.3 m.

Ans 1. 61802

2. 611726

3. 87318

4. 65622

Q.16 Last year, Geeta's monthly salary was ₹12,000 and Seeta's monthly salary was ₹10,000. This year, Geeta's monthly salary is ₹14,400, while Seeta's monthly salary is ₹12,500. If the percentage increase in Seeta's monthly salary this year over her monthly salary last year is denoted by $x\%$, and the percentage increase in Geeta's monthly salary this year over her monthly salary last year is denoted by $y\%$, then what is the value of $(\frac{x-y}{y} \times 100)\%$?

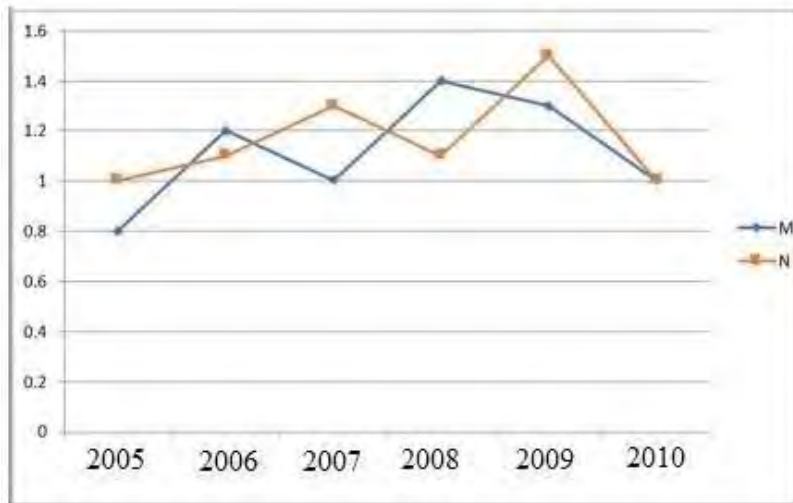
Ans 1. 22

2. 20

3. 24

4. 25

Q.17 Study the given graph and answer the question that follows.
Ratio of imports to exports from two companies over the years.



In how many of the given years were the imports more than the exports of Company N?

- Ans
- 1. 2
 - 2. 3
 - 3. 4
 - 4. 1

Q.18 The diameter of a cylinder is 14 cm and its height is 9 cm. Find the total surface area of the cylinder.

- Ans
- 1. 704 cm^2
 - 2. 714 cm^2
 - 3. 708 cm^2
 - 4. 700 cm^2

Q.19 The profit (in Rupees) earned by four companies in the different quarters of the year 2020 are shown in the chart. The data shown is in crores.



How much is the average profit earned by ITC in the year 2020?

- Ans
- 1. ₹ 1350 crore
 - 2. ₹ 1225 crore
 - 3. ₹ 1325 crore
 - 4. ₹ 1400 crore

Q.20 $\triangle DEF$ and $\triangle GHI$ are two similar triangles. If $DE = 64$ cm, $GH = 24$ cm and the perimeter of $\triangle GHI$ is 72 cm, then what is the sum of the lengths (in cm) of the sides EF and FD of the $\triangle DEF$?

- Ans 1. 128
 2. 96
 3. 192
 4. 82

Q.21 To finish a work in 12 days, 8 workers are engaged. After 2 days, due to some urgency, the work is to be finished in next 2 days. How many more workers are to be engaged now to finish it on time?

- Ans 1. 36
 2. 32
 3. 40
 4. 30

Q.22 The age of a father will be double the age of his son ten years later. 10 years ago, the father's age was six times the age of the son. How many years from now, the ratio of their ages will be 3 : 2?

- Ans 1. 30
 2. 20
 3. 35
 4. 25

Q.23 The price of pulses has increased by 45%. By what percentage (rounded off to the nearest integer) the increased price of the pulses should be reduced so that the price of the pulses remains unaltered?

- Ans 1. 35
 2. 41
 3. 45
 4. 31

Q.24 A retailer purchased a batch of goods for ₹5,000. Due to a manufacturing defect, 5% of the goods were damaged. If the retailer wants to make a profit of 20% on the remaining goods, at what price should the undamaged goods be sold?

- Ans 1. ₹5,800
 2. ₹5,700
 3. ₹5,900
 4. ₹6,000

Q.25 A circle of diameter 26 cm has two equal chords of length 10 cm each, separated by a distance h cm. What is the value of h ?

- Ans 1. 16
 2. 18
 3. 24
 4. 12

Q.1 Where is the oldest centre of lace work located in Gujarat?

- Ans 1. Kutch
 2. Rajkot
 3. Jamnagar
 4. Ahmedabad

Q.2 Federalism in the Indian constitutional context means:

- Ans 1. the existence of more than one level of government in the country
 2. the existence only one level of government in the country
 3. the existence of states in the country
 4. the existence of one nation one government in the country

Q.3 Which is the first state to receive rain from the Monsoon in India?

- Ans 1. Goa
 2. Karnataka
 3. Kerala
 4. Andhra Pradesh

Q.4 Which of the following statements most accurately describes the planet Saturn?

- Ans 1. It is a gas giant made up mostly of hydrogen and helium and the density is less than that of water.
 2. Its surface is reddish in colour.
 3. It was the seventh planet discovered in the Solar System.
 4. Its cloud-like outer regions consist of methane in the gaseous form and ammonia in crystalline form.

Q.5 In a spread sheet, page orientation is changed through _____.

- Ans 1. paper dialog box
 2. print dialog box
 3. page setup dialog box
 4. format dialogue box

Q.6 Which of the following is NOT any position in the Basketball sport?

- Ans 1. Point guard
 2. Shooting guard
 3. Small forward
 4. All rounder

Q.7 Part IV A of the Indian Constitution is related to _____.

- Ans 1. Fundamental Rights
 2. Directive Principles of State Policy
 3. Fundamental Duties
 4. Citizenship

Q.8 Which of the following steps is used to format a cell in an MS Excel Spreadsheet?

- Ans 1. Select cell → Right click → Format cell
2. View → Select cell → Format
3. Select cell → View → Format cell
4. Menu → Select cell → Format

Q.9 Jagoi and Cholom are two divisions in the Indian classical dance form of _____.

- Ans 1. Kathak
2. Bharatanatyam
3. Manipuri
4. Kathakali

Q.10 In Hindustani classical music, according to Vishnu Narayana Bhatkhande, how many thaats are the origins of ragas?

- Ans 1. 72
2. 52
3. 10
4. 20

Q.11 In which year was the 'Aatmanirbhar Bharat Rojgar Yojana' launched by the Government of India?

- Ans 1. 2020
2. 2022
3. 2010
4. 2015

Q.12 The institute established by Kaka Hathrasi in 1932 is:

- Ans 1. Sangeet Karyalaya
2. Music Art Centre
3. Music Art Kendra
4. Swar Sangam Kendra

Q.13 Which of the following schemes is related to minimising the use of chemical fertilisers, given in the Union Budget 2023-24?

- Ans 1. PM DevINE
2. PM Pranam
3. PM Shri
4. SEEDScheme

Q.14 In which of the following cities was the Asian Wrestling Championship 2023 held?

- Ans 1. Astana
2. Mumbai
3. Tokyo
4. Karachi

Q.15 Which of the following years were considered plan holidays in Independent India?

- Ans
- 1. 1964-1967
 - 2. 1969-1972
 - 3. 1966-1969
 - 4. 1990-1992

Q.16 Who defeated Mohammad Ghori in the First Battle of Tarain fought in the year 1191?

- Ans
- 1. Prithviraj Chauhan
 - 2. Yashovarman
 - 3. Vasudev
 - 4. Vidyadhar

Q.17 In an electrical circuit, the ammeter reading decreases to _____ when the length of the wire is doubled.

- Ans
- 1. one-sixth
 - 2. one-half
 - 3. one-fourth
 - 4. one-third

Q.18 The Chau dancers of _____ organise a festival named Chau-Jhumur Utsav, where an open stage is designed for the performance by Chau groups.

- Ans
- 1. Jharkhand
 - 2. West Bengal
 - 3. Madhya Pradesh
 - 4. Chhattisgarh

Q.19 The Prarthana Samaj was established in _____ by Dr. Atma Ram Pandurang.

- Ans
- 1. Bombay
 - 2. Calcutta
 - 3. Adyar
 - 4. Delhi

Q.20 _____ is defined as excess of total expenditure over total receipts excluding borrowings during a fiscal year.

- Ans
- 1. Gross Primary deficit
 - 2. Fiscal deficit
 - 3. Income deficit
 - 4. Structural deficit

Q.21 The President of India appointed _____ as the Governor of Karnataka in July 2021.

- Ans
- 1. Rajendra Vishwanath Arlekar
 - 2. Hari Babu Kambhampati
 - 3. Mangubhai Chhaganbhai Patel
 - 4. Thaawar Chand Gehlot

Q.22 Which of the following is a part of apical meristem found in roots.

- Ans 1. Differentiating vascular tissue
 2. Axillary bud
 3. Protoderm
 4. Leaf primordium

Q.23 As of August, 2023, which of the following states has India's first fully functionally literate district?

- Ans 1. Madhya Pradesh
 2. Kerala
 3. Goa
 4. Maharashtra

Q.24 The 5th edition of the Khelo India Youth Games 2023 was hosted in January-February, 2023 by _____

- Ans 1. Uttar Pradesh
 2. Madhya Pradesh
 3. Rajasthan
 4. Delhi

Q.25 Match the following ports with their related states correctly.

Ports	States
1. Mormugao port	a. West Bengal
2. Paradip Port	b. Odisha
3. Haldia Port	c. Tamil Nadu
4. Tuticorin port	d. Goa

- Ans 1. 1-d, 2-b, 3-a, 4-c
 2. 1-a, 2-b, 3-d, 4-c
 3. 1-b, 2-d, 3-a, 4-c
 4. 1-b, 2-d, 3-c, 4-a

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Gram Raigawan Near Patan Bypass
Exam Date	04/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.
She was singing / beautifully in / the concert hall / last night.

Ans 1. She was singing

2. the concert hall

3. beautifully in

4. last night.

Q.2 Identify the error in the following sentence and select the option with the correct use of the phrasal verb.
The police inspector was trying to give out the contradicting stories in the scene of the accident.

Ans 1. The police inspector was trying to lighten up the contradicting stories in the scene of the accident.

2. The police inspector was trying to sign up the contradicting stories in the scene of the accident.

3. The police inspector was trying to sort out the contradicting stories in the scene of the accident.

4. The police inspector was trying to rush out the contradicting stories in the scene of the accident.

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.
I will be study around 7 o'clock.

Ans 1. around 7 o'clock

2. will

3. be study

4. I

Q.4 The given sentence is divided into four segments. Select the option that has the segment with the grammatical error.
My daughter participate / in the dance competition / that is organised every year / by the Lion's Club.

Ans 1. My daughter participate

2. by the Lion's Club.

3. that is organised every year

4. in the dance competition

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. assumption
 2. solution
 3. derivation
 4. conclusion

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. observing
 2. showing
 3. assuming
 4. blowing

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. powerful
 2. healthier
 3. expensive
 4. cleaner

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. skipping
 2. building
 3. turning
 4. grabbing

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Nutrition experts have researched the bad effects of junk food and have come to the (1)_____ that junk food manufacturing companies are fooling the people by (2)_____ deceptive advertisements that show junk food as healthy. We must substitute junk food with (3)_____ food like fruits and vegetables. So the next time you think of (4)_____ that burger, hotdog, pizza, samosa, kachori or even ice cream in a restaurant, eating joint or a party, stop your instincts and look for some healthier food (5)_____ instead.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. chances
 2. options
 3. comparisons
 4. additions

Q.10 Select the most appropriate ANTONYM of the given word.
Benevolent

- Ans 1. Harmless
 2. Patient
 3. Cruel
 4. Happy

Q.11 Select the INCORRECTLY spelt word in the given sentence.
Shreya prefers wearing green coloured saree on marriage funcktions.

- Ans 1. Funcktions
 2. Wearing
 3. Marriage
 4. Prefers

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
She was thinking at the fun they had.

- Ans 1. No substitution required
 2. beside
 3. about
 4. by

Q.13 Select the INCORRECTLY spelt word.

- Ans 1. Contagious
 2. Couragious
 3. Gracious
 4. Physiologist

Q.14 Select the most appropriate meaning of the given idiom.
A bolt from the blue

- Ans 1. A sudden and unexpected event
 2. Raining heavily
 3. Thunder and rain in a storm
 4. A spontaneous but expected event

Q.15 Select the most appropriate ANTONYM of the underlined word.

The growth of the cell wall is very rarely uniform.

- Ans 1. Variegated
 2. Paired
 3. Balanced
 4. Fixed

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

He takes his always dog for a walk in the park.

- Ans 1. takes his dog for an always walk
 2. always takes his dog for a walk
 3. his dog for a walk always takes
 4. takes his dog for always a walk

Q.17 Select the most appropriate option of the given word to fill in the blank.

The new construction sites have _____ attack by the environmentalists.

- Ans 1. come off
 2. come out
 3. come under
 4. come upon

Q.18 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The performance of the team in the lost match was dismal.

- Ans 1. Sadden
 2. Cheap
 3. Luminous
 4. Dainty

Q.19 Select the most appropriate meaning of the given idiom.

Walk a tightrope

- Ans 1. To act carefully in a difficult situation
 2. To try and balance yourself
 3. To walk on a narrow road
 4. To be tensed about something

Q.20 Identify the most appropriate ANTONYM of the underlined word in the following sentence.

There is no transparency in the procedure followed by the company.

- Ans
- 1. Reliability
 - 2. Coherence
 - 3. Opacity
 - 4. Clarity

Q.21 Select the most appropriate synonym of the given word.

Desire

- Ans
- 1. Disgust
 - 2. Aversion
 - 3. Loathing
 - 4. Longing

Q.22 Select the most appropriate option that can substitute the underlined word in the given sentence.

A newer, more effective computer system was installed in place of the obsolete one.

- Ans
- 1. modern
 - 2. outdated
 - 3. advanced
 - 4. current

Q.23 Select the most appropriate ANTONYM of the given word.

Noble

- Ans
- 1. Magical
 - 2. Grand
 - 3. Common
 - 4. Indescribable

Q.24 Select the most appropriate ANTONYM of the given word.

Vehement

- Ans
- 1. Reliable
 - 2. Passionate
 - 3. Mild
 - 4. Smashed

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I had to write a letter of mistake to my father for the blunder I made.

- Ans
- 1. apology
 - 2. circumstance
 - 3. gratitude
 - 4. No substitution required

Q.1 The position of how many letters will remain unchanged if each of the letters in the word 'COUNTED' is arranged in English alphabetical order?

- Ans
- 1. Three
 - 2. More than three
 - 3. None
 - 4. Two

Q.2 What should come in place of the question mark (?) in the given series?

512, 1000, 1728, 2744, 4096, 5832, ?

- Ans
- 1. 9261
 - 2. 4000
 - 3. 8000
 - 4. 6000

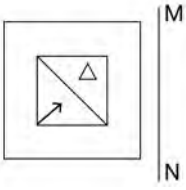
Q.3 17 is related to 136 following a certain logic. Following the same logic, 23 is related to 184. To which of the following is 29 related following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 228
 - 2. 234
 - 3. 230
 - 4. 232

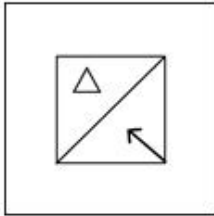
KD JOB UPDATES

Q.4 Select the correct mirror image of the given figure when the mirror is placed at MN, as shown.

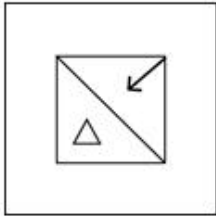


Ans

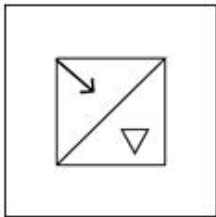
✓ 1.



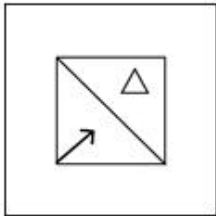
✗ 2.



✗ 3.



✗ 4.



Q.5 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$26 \text{ B } 3 \text{ C } 5 \text{ D } 120 \text{ A } 4 = ?$$

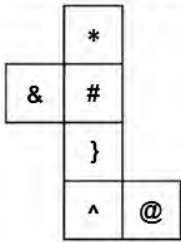
Ans ✗ 1. 55

✗ 2. 57

✓ 3. 53

✗ 4. 51

Q.6 What would be the symbol on the opposite side of '*' if the given sheet is folded to form a cube?

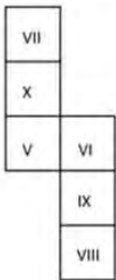


- Ans
- 1. ^
 - 2. @
 - 3. }
 - 4. &

Q.7 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
LPT, ?, BBF, JUL, RNR

- Ans
- 1. UTL
 - 2. TIZ
 - 3. COD
 - 4. FIZ

Q.8 What would be the Roman numeral on the opposite side of 'VI' if the given sheet is folded to form a cube?



- Ans
- 1. VII
 - 2. V
 - 3. X
 - 4. VIII

Q.9 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(35, 5, 7)
(108, 12, 9)

- Ans
- 1. (118, 15, 9)
 - 2. (114, 14, 8)
 - 3. (91, 13, 7)
 - 4. (254, 17, 7)

Q.10 In a certain language, 'How are you' is written as 'Co De Ki' and 'You look happy' is written as 'Th De Mo'. How is 'you' written in the given language?

- Ans
- 1. Ki
 - 2. Mo
 - 3. De
 - 4. Co

Q.11 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

PQRSO TT UV MW V

- Ans
- 1. XTUS
 - 2. SNUX
 - 3. TSUX
 - 4. NTUY

Q.12 The position of how many letters will remain unchanged if each of the letters in the word 'POWDERS' is arranged in English alphabetical order?

- Ans
- 1. One
 - 2. More than three
 - 3. None
 - 4. Three

Q.13 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some bags are paper.

All wood is paper.

Some bags are dolls.

Conclusion (I): All dolls are paper.

Conclusion (II): Some bags are wood.

- Ans
- 1. Both conclusions (I) and (II) follow.
 - 2. Neither conclusion (I) nor (II) follows.
 - 3. Only conclusion (I) follows.
 - 4. Only conclusion (II) follows.

Q.14 In a certain code language,
 'P + Q' means 'P is the wife of Q'.
 'P - Q' means 'P is the brother of Q'.
 'P / Q' means 'P is the son of Q'.
 'P × Q' means 'P is the father of Q'.
 If 'V / K × T + M × O', then how is K related to O?

- Ans
- 1. Father
 - 2. Mother's father
 - 3. Mother
 - 4. Father's mother

Q.15 If 'T' stands for '+', 'P' stands for '÷', 'Q' stands for '×' and 'R' stands for '-', what will come in place of the question mark (?) in the following equation?
 $24 T 36 P 48 Q 32 R 40 T 53 = ?$

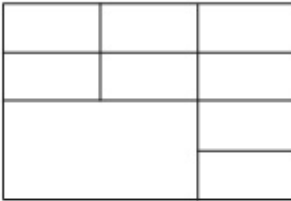
- Ans**
- 1. 73
 - 2. 61
 - 3. 48
 - 4. 31

Q.16 What should come in place of ? in the given series?

119 128 137 146 155 ?

- Ans**
- 1. 162
 - 2. 161
 - 3. 164
 - 4. 163

Q.17 How many rectangles are there in the given figure?



- Ans**
- 1. 31
 - 2. 32
 - 3. 33
 - 4. 34

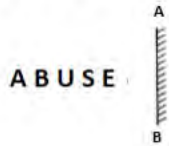
Q.18 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 652?

- Ans**
- 1. 109 B 6 A 16 D 2 C 6
 - 2. 109 A 6 D 16 B 2 C 6
 - 3. 109 C 6 D 16 A 2 B 6
 - 4. 109 B 6 D 16 A 2 C 6

Q.19 In a certain code language, 'now or never' is coded as 'ak bj ut' and 'never be late' is coded as 'bj tl cv'. How is 'never' coded in that language?

- Ans**
- 1. bj
 - 2. tl
 - 3. ak
 - 4. cv

Q.20 Choose the alternative which closely resembles the mirror image of the given combination.



- Ans
- 1. E2UBA
 - 2. E2UBA
 - 3. E2UBA
 - 4. E2UBA

Q.21 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

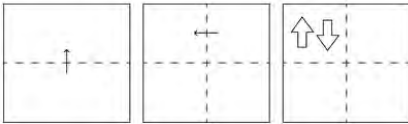
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Pleasure : Pain

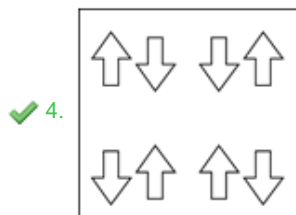
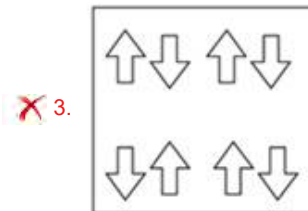
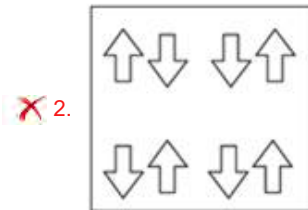
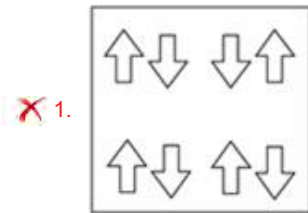
- Ans
- 1. Gentle : Brutal
 - 2. Fast: Quick
 - 3. Smart : Intelligent
 - 4. Angry : Furious

KD JOB UPDATES

Q.22 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?



Ans



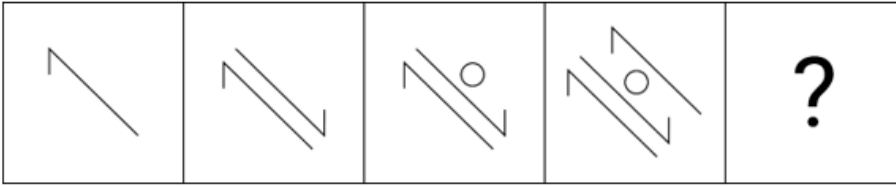
Q.23 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Dogs – Bark

- Ans**
- 1. Cats – Hiss
 - 2. Donkeys – Bray
 - 3. Cows – Oink
 - 4. Snakes – Roar

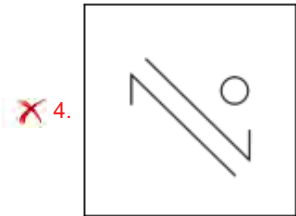
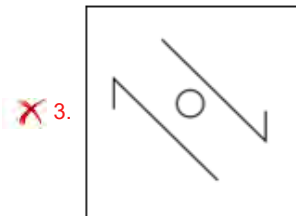
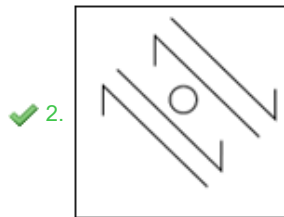
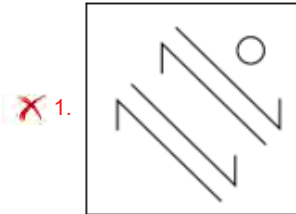
Q.24 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans**
- 1. SMIG
 - 2. MGCA
 - 3. CWSR
 - 4. KEAY

Q.25 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?



Ans



Q.1 A 35% profit is made when a discount of 35% is given on the marked price of an item. When the discount is 45%, then the profit percentage will be:

- Ans
- 1. $11\frac{3}{13}\%$
 - 2. $13\frac{3}{17}\%$
 - 3. $17\frac{1}{13}\%$
 - 4. $14\frac{3}{13}\%$

Q.2 In a triangle ABC, AB = AC. BC is extended to D such that CD = AB and the angle ADC is 30°. What are the angles of triangle ABC?

- Ans
- 1. 60°, 60°, 60°
 - 2. 50°, 60°, 70°
 - 3. 30°, 60°, 90°
 - 4. 45°, 60°, 75°

Q.3 A mixture contains alcohol and water in the ratio of 12 : 5. On adding 14 liters of water, the ratio of alcohol to water becomes 4 : 3. The quantity of alcohol in the mixture is:

- Ans 1. 42 L
 2. 18 L
 3. 28 L
 4. 30 L

Q.4 Simplify the given expression.

$$\left[3 \times 6 - 3 \left\{ 2 \left(2 \div \frac{1}{2} - 2 \right) + 2 \div \frac{1}{2} \right\} - 18 \right]$$

- Ans 1. -24
 2. 24
 3. -18
 4. 18

Q.5 If the price of tea is increased by 40%, by how what percentage must the consumption of tea be decreased so as not to increase the expenditure?

- Ans 1. $35\frac{9}{2}\%$
 2. $28\frac{4}{7}\%$
 3. $31\frac{3}{5}\%$
 4. $15\frac{2}{9}\%$

Q.6 A man bought 4 books for ₹50 each, 5 books for ₹60 each and 6 books for ₹70 each. The average cost of a book for the man is (round up to two decimal places):

- Ans 1. ₹61.33
 2. ₹50.33
 3. ₹60.33
 4. ₹36.33

Q.7 In a circle, O is the centre and AOB is the diameter. AT is a tangent to the circle. Line TB intersects the circle at Q. Given that $\angle AOQ = 94^\circ$, find $\angle ATQ$.

- Ans 1. 133°
 2. 43°
 3. 86°
 4. 47°

Q.8 What is the smallest number that must be added to 19487161 so that it is divisible by 11?

- Ans 1. 5
 2. 16
 3. 11
 4. 10

Q.9 If the height of a solid right circular cylinder is 27 cm and diameter of its base is 30 cm, the total surface area (in cm^2) of the right circular cylinder is:

Take $\pi = \frac{22}{7}$

- Ans 1. 3978
 2. 3960
 3. 3976
 4. 3964

Q.10 In a 100-m race, A beats B by 20 m and B beats C by 5 m. In the same race, find the distance by which A beats C.

- Ans 1. 26 m
 2. 24 m
 3. 22 m
 4. 25 m

Q.11 An amount of ₹8,000 was invested for 2 years, partly in scheme 1 at the rate of 5% simple interest per annum and the rest in scheme 2 at the rate of 4% simple interest per annum. The total interest received at the end was ₹720. The amount of money invested in scheme 1 is:

- Ans 1. ₹7,200
 2. ₹4,400
 3. ₹3,640
 4. ₹4,000

Q.12 3 solid spheres of diameters 6 cm, 8 cm and 10 cm are melted together to form a single solid sphere. Find its radius.

- Ans 1. 3 cm
 2. 12 cm
 3. 9 cm
 4. 6 cm

Q.13 The following table shows the production of food grains in a country over the five years.

Year	Production (in ten lakh tonnes)			
	Wheat	Rice	Maize	Other grains
2016-17	650	250	200	450
2017-18	800	440	240	400
2018-19	680	390	220	500
2019-20	700	400	260	480
2020-21	640	440	300	520

The difference between the average production (in ten lakh tonnes) of wheat and maize over the years is:

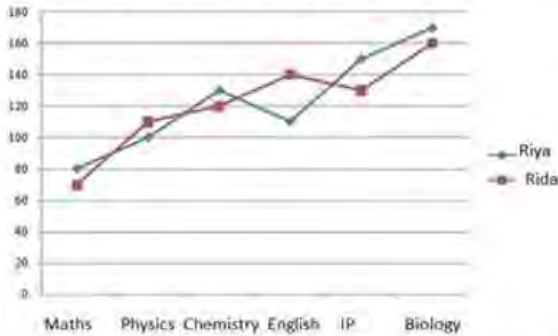
- Ans 1. 224
 2. 450
 3. 310
 4. 140

Q.14 A shopkeeper buys 1800 kg wheat for ₹32,400. If 20% of this wheat is spoiled due to rain, at what rate (₹/kg) should he sell the rest to earn 20%?

- Ans
- 1. 26
 - 2. 29
 - 3. 27
 - 4. 25

Q.15 Study the given graph and answer the question that follows.

The graph shows the marks obtained by Riya and Rida in six subjects in the CBSE 12th exam. The maximum marks in Maths, Physics and Chemistry are 140, and that in English, IP, Biology are 180



What is the percentage of marks obtained by Riya in Chemistry?

- Ans
- 1. 92.86%
 - 2. 92.68%
 - 3. 99.38%
 - 4. 95.87%

Q.16 Two parallel chords of length 5 units and 8 units are on opposite sides of the center of a circle of radius 7 units. What is the distance between the chords? (round your answer to two decimal places)

- Ans
- 1. 12.82 units
 - 2. 11.28 units
 - 3. 11.82 units
 - 4. 12.28 units

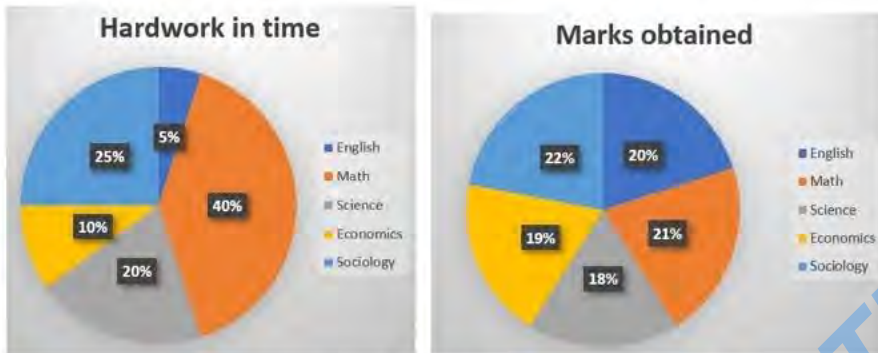
Q.17 Ramu used to spend 72% of his income. His income has increased by 12%, and he increases his expenditure by 5%. If Ramu earlier saved y and after the increases he now saves x , then what is the value of $(\frac{x-y}{y} \times 100)\%$?

- Ans
- 1. 25%
 - 2. 22%
 - 3. 27%
 - 4. 30%

Q.18 The ratio of the lateral surface area to the total surface area of a cylinder with base diameter 60cm and height 10 cm is:

- Ans
- 1. 1:9
 - 2. 1:3
 - 3. 1:7
 - 4. 1:4

Q.19 A student has 5 subjects in an examination. The distribution of hard work of 16 hours a day over 5 subjects and marks obtained 400 out of 500 are shown in the charts.



How much time did the student spend on Math and how much marks were obtained in math?

- Ans
- 1. 6.4 hrs and 90 marks
 - 2. 9.6 hrs and 84 marks
 - 3. 40 hrs and 21 marks
 - 4. 6.4 hrs and 84 marks

Q.20 The following bar graph represents the production of three types of buses by a company over the years (in thousands).



In which of the following years was the percentage production of B type buses to C type buses, the maximum?

- Ans
- 1. 2013
 - 2. 2016
 - 3. 2014
 - 4. 2015

Q.21 For what positive values of k do the following pair of linear equations have infinitely many solutions?

$$kx + 3y - (k - 3) = 0$$

$$12x + ky - k = 0$$

Ans 1. 12

2. 4

3. 2

4. 6

Q.22 From a circle, a sector with a central angle of 30° is cut off. If the length of the arc of this sector is 5.5 cm, then find the radius (in cm) of the circle.

$$[\text{Use } \pi = \frac{22}{7}.]$$

Ans 1. 12

2. 10

3. 11

4. 10.5

Q.23 If the income of Neha is 5% more than that of Monica, then the income of Monica is what percentage less than that of Neha?

Ans 1. $4\frac{16}{21}\%$

2. $4\frac{11}{21}\%$

3. $4\frac{13}{21}\%$

4. $4\frac{5}{21}\%$

Q.24 If $\cot \theta = \frac{3}{4}$, θ is an acute angle, then $\sin \theta + \cos \theta - \tan \theta$ is equal

to:

Ans 1. $\frac{1}{11}$

2. $\frac{1}{18}$

3. $\frac{1}{13}$

4. $\frac{1}{15}$

Q.25 Akhil can complete a piece of work in 24 days. Shyam can complete the same piece of work in 12 days. If both of them work together, in how many days can they complete the same piece of work?

Ans 1. 12 days

2. 8 days

3. 10 days

4. 6 days

Q.1 Which of the following is NOT an alignment option for text in a cell?

- Ans 1. Justified
 2. Center
 3. Left
 4. Right

Q.2 Which of the following pairs of state and folk dance is correctly paired?

- Ans 1. Punjab – Bhangra dance
 2. Gujarat – Bihu dance
 3. Haryana – Garia or Goria dance
 4. Kerala – Ghoomar dance

Q.3 In a symport:

- Ans 1. both molecules cross the membrane in the same direction
 2. a molecule moves across a membrane independent of other molecules
 3. both molecules cross the membrane in the opposite direction
 4. a molecule moves across a membrane dependent of other molecules

Q.4 _____ is one of the well-known schemes sponsored by the Union Government of India. It was launched in November 2015 with the aim of rescuing the country's ailing electricity distribution companies.

- Ans 1. One Nation, One Grid
 2. Integrated Power Development Scheme (IPDS)
 3. Ujwal DISCOM Assurance Yojana
 4. Deendayal Upadhyaya Gram Jyoti Yojana

Q.5 The Kailasha temple at Ellora near Aurangabad in Maharashtra was built by a king from the _____ Dynasty.

- Ans 1. Pratihara
 2. Chandella
 3. Gurjara Pratihara
 4. Rashtrakuta

Q.6 On the basis of highest population growth rate (Census, 2011), select the option that arranges the following states in descending order.

- A) Bihar
 B) Arunachal Pradesh
 C) Meghalaya

- Ans 1. A, B, C
 2. C, A, B
 3. C, B, A
 4. B, C, A

Q.7 Who was the first to use the term 'horsepower' that refers to the power produced by an engine?

- Ans 1. Amedeo Avogadro
 2. John Dalton
 3. Albert Einstein
 4. James Watt

Q.8 Where did the indigenous sport 'Gatka' originate from?

- Ans 1. Punjab
 2. Manipur
 3. Rajasthan
 4. Jammu and Kashmir

Q.9 Which of the following song did AR Rahman record with Michael Jackson?

- Ans 1. You are my destiny
 2. The Oracle
 3. Infinity Love
 4. Ekam Satyam

Q.10 Who composed the music of the patriotic song 'Maa Tujhe Salaam'?

- Ans 1. Anu Malik
 2. Himesh Reshammiya
 3. Shankar Mahadevan
 4. AR Rahman

Q.11 Which of the following tribes does NOT live in India?

- Ans 1. Maasai
 2. Tharu
 3. Gond
 4. Santhal

Q.12 Former Union Minister _____ from Manipur was awarded Padma Shri in 2023 by the Union government for his contribution in public affairs in the last four decades.

- Ans 1. Okram Ibobi Singh
 2. Thokchom Radheshyam Singh
 3. Thounaojam Chaoba
 4. Yumnam Joykumar

Q.13 Which part of the Constitution of India deals with 'Citizenship'?

- Ans 1. Part II
 2. Part III
 3. Part IV
 4. Part I

Q.14 Under the discretionary power of which Article of the Indian Constitution did the SC of India recognise sex work as a profession?

- Ans 1. Article 140
 2. Article 142
 3. Article 141
 4. Article 143

Q.15 How can we add text to a slide in MS-PowerPoint?

- Ans
- 1. Note box
 - 2. Dialogue box
 - 3. Notes page
 - 4. Textbox

Q.16 The Thomas Cup is associated with which of the following sports?

- Ans
- 1. Badminton male
 - 2. Badminton female
 - 3. Tennis female
 - 4. Tennis male

Q.17 Which of the following persons was sworn in as chief of the Central Information Commission of India in November 2023?

- Ans
- 1. Divya Prakash Sinha
 - 2. Bimal Julka
 - 3. Heeralal Samariya
 - 4. Yashovardhan Azad

Q.18 Which of the following committees had recommended the inclusion of a chapter on the Fundamental Duties in the Constitution of India and stressed that the citizens should become conscious that, in addition to the enjoyment of rights, they also have certain duties to perform?

- Ans
- 1. JR Varma Committee (1996)
 - 2. Ashok Mehta Committee (1977)
 - 3. Swaran Singh Committee (1976)
 - 4. Balwant Rai Mehta Committee (1976)

Q.19 National income at constant prices means:

- Ans
- 1. income estimated at current year prices
 - 2. income estimated at base year prices
 - 3. income estimated for next year prices
 - 4. income estimated at any year prices

Q.20 The birthday of _____ is celebrated as the International Day of Non-Violence.

- Ans
- 1. Rabindranath Tagore
 - 2. Sardar Vallabhbhai Patel
 - 3. Mahatma Gandhi
 - 4. Bhimrao Ambedkar

Q.21 The Braj festival in _____ is held every year for two days in the Shukla Paksha of the Phalgun month, a few days before Holi.

- Ans
- 1. Haryana
 - 2. Rajasthan
 - 3. Madhya Pradesh
 - 4. Himachal Pradesh

Q.22 Which of the following is NOT a moon of Jupiter?

- Ans**
- 1. Callisto
 - 2. Europa
 - 3. Ganymede
 - 4. Triton

Q.23 Which of the following statements is/are FALSE about the Special Economic Zones (SEZs) of India?

- i. One of the main objectives of the Zones Act was promotion of exports of goods and services.
- ii. The Government of India announced the Special Economic Zones (SEZs) Policy in the year 2011.
- iii. The SEZ Rules provided for different minimum land requirement for different classes of SEZs.

- Ans**
- 1. Only i and ii
 - 2. Only ii and iii
 - 3. Only iii
 - 4. Only ii

Q.24 Which of the following is the most dominant species of the Tropical Deciduous Forests?

- Ans**
- 1. Coconut
 - 2. Rubber
 - 3. Mulberry
 - 4. Teak

Q.25 Where and when was India's first Senior National Archery Championship held?

- Ans**
- 1. Chennai, 1975
 - 2. Delhi, 1973
 - 3. Delhi, 1975
 - 4. Chennai, 1973

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Dizital Zone Faridabad
Exam Date	05/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into parts. One of them may contain an error.

Select the part that contains the error from the given options. If you don't find any error mark 'No error' as your answer.

The aeroplane took down / without the passengers after / making a sudden announcement.

- Ans
- 1. No error
 - 2. making a sudden announcement
 - 3. without the passengers after
 - 4. The aeroplane took down

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.

Emily is a American living in Paris for her work.

- Ans
- 1. for her work
 - 2. a American
 - 3. living in Paris
 - 4. Emily is

Q.3 The following sentence has been divided into four parts. Identify the part that contains an error.

This is / a doll / and there is / a umbrella.

- Ans
- 1. a umbrella.
 - 2. This is
 - 3. and there is
 - 4. a doll

Q.4 The following sentence has been split into four segments. Identify the segment that contains an error.

She shall being / travelling / by this time / tomorrow.

- Ans
- 1. She shall being
 - 2. tomorrow
 - 3. travelling
 - 4. by this time

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Sun is about 1.4 million kilometres (1)_____diameter, while the Earth is about 13,000 kilometers wide. This indicates that the Sun's width would need to be filled by more than one hundred Earths. Sunspots are dreary (2)_____ on the Sun's surface that are two thousand degrees Celsius cooler than the rest of the surface. The coolest piece of the sunspot is the dim focus called the umbra. The penumbra surrounds it. On the Sun's surface, some sunspots are just specks. Additionally, they appear in groups up to ten times larger than Earth. They can sometimes reach 200,000 miles in length. As the Sun rotates, these groups (3)_____ to travel across the Sun over two weeks. Every 11 years, the number of sunspots reaches its maximum. The solar or sunspot cycle (4)_____ to this. The Earth's weather may become more extreme and warm during the peak of sunspot activity. According to the (5)_____ made by satellites like Nimbus 7, when sunspots are at their largest, less heat reaches Earth.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

Ans 1. of

2. on

3. at

4. in

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Sun is about 1.4 million kilometres (1)_____diameter, while the Earth is about 13,000 kilometers wide. This indicates that the Sun's width would need to be filled by more than one hundred Earths. Sunspots are dreary (2)_____ on the Sun's surface that are two thousand degrees Celsius cooler than the rest of the surface. The coolest piece of the sunspot is the dim focus called the umbra. The penumbra surrounds it. On the Sun's surface, some sunspots are just specks. Additionally, they appear in groups up to ten times larger than Earth. They can sometimes reach 200,000 miles in length. As the Sun rotates, these groups (3)_____ to travel across the Sun over two weeks. Every 11 years, the number of sunspots reaches its maximum. The solar or sunspot cycle (4)_____ to this. The Earth's weather may become more extreme and warm during the peak of sunspot activity. According to the (5)_____ made by satellites like Nimbus 7, when sunspots are at their largest, less heat reaches Earth.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

Ans 1. regions

2. province

3. section

4. belt

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Sun is about 1.4 million kilometres (1)_____diameter, while the Earth is about 13,000 kilometers wide. This indicates that the Sun's width would need to be filled by more than one hundred Earths. Sunspots are dreary (2)_____ on the Sun's surface that are two thousand degrees Celsius cooler than the rest of the surface. The coolest piece of the sunspot is the dim focus called the umbra. The penumbra surrounds it. On the Sun's surface, some sunspots are just specks. Additionally, they appear in groups up to ten times larger than Earth. They can sometimes reach 200,000 miles in length. As the Sun rotates, these groups (3)_____ to travel across the Sun over two weeks. Every 11 years, the number of sunspots reaches its maximum. The solar or sunspot cycle (4)_____ to this. The Earth's weather may become more extreme and warm during the peak of sunspot activity. According to the (5)_____ made by satellites like Nimbus 7, when sunspots are at their largest, less heat reaches Earth.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. act
 2. shape
 3. appear
 4. show

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Sun is about 1.4 million kilometres (1)_____diameter, while the Earth is about 13,000 kilometers wide. This indicates that the Sun's width would need to be filled by more than one hundred Earths. Sunspots are dreary (2)_____ on the Sun's surface that are two thousand degrees Celsius cooler than the rest of the surface. The coolest piece of the sunspot is the dim focus called the umbra. The penumbra surrounds it. On the Sun's surface, some sunspots are just specks. Additionally, they appear in groups up to ten times larger than Earth. They can sometimes reach 200,000 miles in length. As the Sun rotates, these groups (3)_____ to travel across the Sun over two weeks. Every 11 years, the number of sunspots reaches its maximum. The solar or sunspot cycle (4)_____ to this. The Earth's weather may become more extreme and warm during the peak of sunspot activity. According to the (5)_____ made by satellites like Nimbus 7, when sunspots are at their largest, less heat reaches Earth.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. refers
 2. entrust
 3. cite
 4. pass

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Sun is about 1.4 million kilometres (1)_____diameter, while the Earth is about 13,000 kilometers wide. This indicates that the Sun's width would need to be filled by more than one hundred Earths. Sunspots are dreary (2)_____ on the Sun's surface that are two thousand degrees Celsius cooler than the rest of the surface. The coolest piece of the sunspot is the dim focus called the umbra. The penumbra surrounds it. On the Sun's surface, some sunspots are just specks. Additionally, they appear in groups up to ten times larger than Earth. They can sometimes reach 200,000 miles in length. As the Sun rotates, these groups (3)_____ to travel across the Sun over two weeks. Every 11 years, the number of sunspots reaches its maximum. The solar or sunspot cycle (4)_____ to this. The Earth's weather may become more extreme and warm during the peak of sunspot activity. According to the (5)_____ made by satellites like Nimbus 7, when sunspots are at their largest, less heat reaches Earth.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. invalidations
 2. observations
 3. inspections
 4. perceptions

Q.10 Select the most appropriate synonym of the word 'Swap' from the given sentence.

The original buyer attempted to resell the tickets online because there was no option to exchange them for a new date.

- Ans 1. resell
 2. option
 3. original
 4. exchange

Q.11 Select the most appropriate ANTONYM of the given word.

Transient

- Ans 1. Transparent
 2. Transitory
 3. Permanent
 4. Irregular

Q.12 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The hotel room, / which we / booked, / isn't enough big.

- Ans 1. isn't enough big
 2. The hotel room
 3. booked,
 4. which we

Q.13 Select the correct spelling of the underlined word.

He is one of the most underated players in the team.

- Ans 1. Underatted
 2. Underrated
 3. Underreted
 4. Undereted

Q.14 Select the most appropriate ANTONYM of the given word.
Innocent

- Ans 1. Unfair
 2. Mischievous
 3. Righteous
 4. Guilty

Q.15 Select the most appropriate option that can substitute the underlined word in the given sentence.
Even in cold weather, the reliable car always started on the first try.

- Ans 1. dependable
 2. inaccurate
 3. erratic
 4. flaky

Q.16 Select the most appropriate meaning of the given idiom.

To be at daggers drawn

- Ans 1. To be about to collapse
 2. Under suspicion
 3. Ready to fight
 4. To be under control

Q.17 Select the most appropriate meaning of the given idiom.
To cost an arm and a leg

- Ans 1. Someone has borne losses
 2. Someone does not have money to buy something
 3. Someone is badly hurt
 4. Something is very expensive

Q.18 Select the most appropriate synonym of the given word.

Appalled

- Ans 1. Disgusted
 2. Allied
 3. Applied
 4. Clap

Q.19 Select the most appropriate ANTONYM of the underlined word.

The news gave him inexpressible ecstasy.

- Ans 1. Depression
 2. Passion
 3. Delight
 4. Disappointment

Q.20 Select the most appropriate option that can substitute the underlined word segment in the following sentence.
They are leaving there coats there.

- Ans 1. their coats there
 2. they're coats there
 3. their coats their
 4. there coats their

Q.21 Select the most appropriate ANTONYM for the underlined word in the given sentence.
He feels that wealthy people view him with contempt because he is poor.

- Ans 1. Derision
 2. Scorn
 3. Obscurity
 4. Admiration

Q.22 Identify the incorrectly spelt word and select its correct spelling.
You shall recieve proper pay for your work.

- Ans 1. propeer
 2. resieve
 3. receive
 4. propper

Q.23 Select the most appropriate option to fill in the blank.

She went on a shopping spree with her friend and made him _____ the fat bill.

- Ans 1. do
 2. pay
 3. give
 4. paid

Q.24 Select the most appropriate ANTONYM of the given word.
Cramped

- Ans 1. Spacious
 2. Filthy
 3. Crammed
 4. Tight

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Mrs. Lakshmi's purchases add around to ₹2,650.

- Ans 1. purchases add for to
 2. purchases add out to
 3. purchases add from to
 4. purchases add up to

Q.1 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. DGL
 2. FIM
 3. QTY
 4. MPU

Q.2 In a certain code language

A + B means 'A is the brother of B'

A - B means 'A is the father of B'

A × B means 'A is the wife of B'

A ÷ B means 'A is the mother of B'

Based on the above, how is P related to T if 'P ÷ Q × R - S + T'?

- Ans 1. Father's sister
 2. Mother's sister
 3. Mother's mother
 4. Father's mother

Q.3 What should come in place of the question mark (?) in the given series?

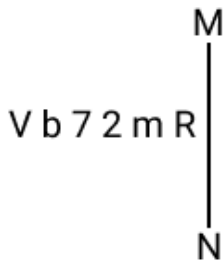
32, 61, 90, 119, ?, 177

- Ans 1. 149
 2. 146
 3. 148
 4. 147

Q.4 LJNR is related to IGLP in a certain way based on the English alphabetical order. In the same way, FDHL is related to CAFJ. To which of the following is HFJN related, following the same logic?

- Ans 1. EDHL
 2. EDGL
 3. ECHL
 4. EBIL

Q.5 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans 1. Я m S ∇ d V
 2. Я m Z L d V
 3. Я m S ∇ d Λ
 4. 2 m R ∇ d V

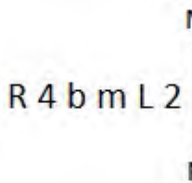
Q.6 If 4 December 2014 was Thursday, then what was the day of the week on 10 December 2018?

- Ans 1. Monday
 2. Tuesday
 3. Wednesday
 4. Friday

Q.7 In a certain code language, 'CODE' is coded as '1573' and 'DICE' is coded as '7185'. How is 'O' coded in the given language?

- Ans 1. 8
 2. 3
 3. 7
 4. 5

Q.8 Select the correct mirror image of the given figure when the mirror is placed at MN.



- Ans 1. 2 J m b P R
 2. 5 J m d P R
 3. R 4 b m L 2
 4. R 4 P m L 5

Q.9 NGPZ is related to JCLV in a certain way based on the English alphabetical order. In the same way, XDLM is related to TZHI. To which of the following is RUKV related, following the same logic?

- Ans 1. NGQR
 2. NGRQ
 3. NQGR
 4. NQRG

Q.10 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

Some strawberries are oranges.

Some oranges are kiwis.

All kiwis are melons.

Conclusions:

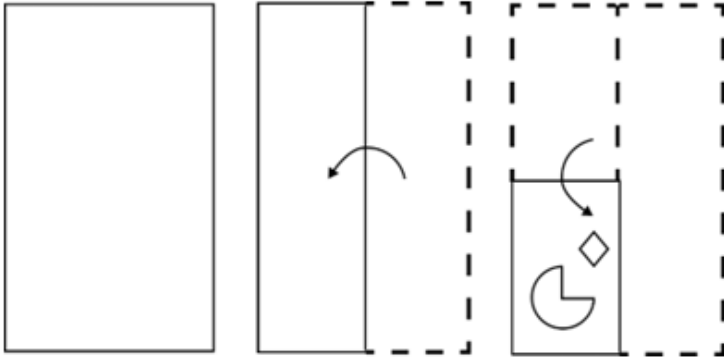
I. No strawberry is a melon.

II. All strawberries are melons.

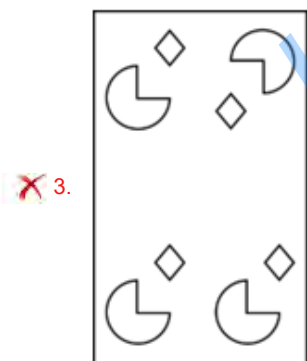
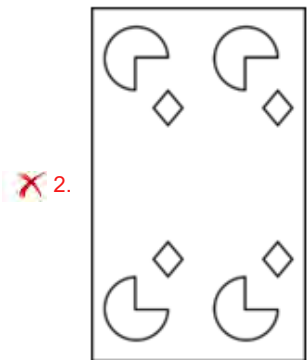
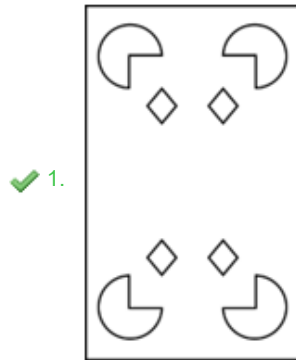
III. Some strawberries are kiwis.

- Ans 1. Both conclusions I and II follow.
 2. Both conclusions II and III follow.
 3. All conclusions I, II and III follow.
 4. Neither conclusions I, II nor III follows.

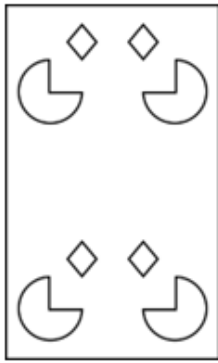
Q.11 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



KD JOB UPDATES



4.

Q.12 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$35 \text{ B } 7 \text{ D } 120 \text{ A } 12 \text{ C } 38 = ?$$

Ans 1. 473

2. 173

3. 373

4. 273

Q.13 Select the option in which the given figure is embedded. (Rotation is NOT allowed.)



Ans



Q.14 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 1049?

Ans 1. 94 D 11 B 180 A 4 C 60

2. 94 A 11 D 180 B 4 C 60

3. 94 B 11 D 180 A 4 C 60

4. 94 C 11 D 180 A 4 B 60

Q.15 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?

○ ○	○ ○ + +	○ ○ + + △ △	○ ○ + + △ △ □ □	?
-----	------------	-------------------	--------------------------	---

Ans

1.

∞ ∞
○ ○
△ △
+ +
□ □

2.

○ ○
+ +
△ △
□ □
∞ ∞

3.

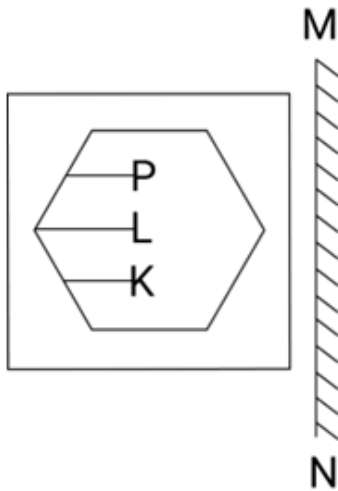
○ +
+ △
△ □
□ ∞
∞ ○

4.

+ +
○ ○
□ □
△ △
∞ ∞

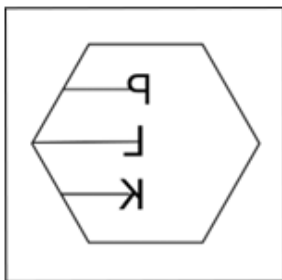
KD JOB UPDATES

Q.16 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

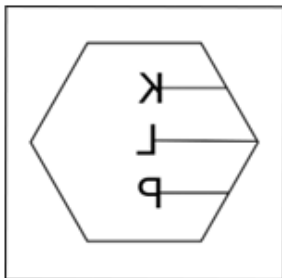


Ans

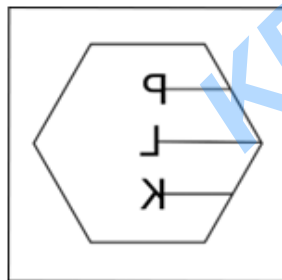
1.



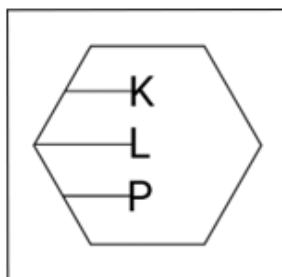
2.



3.



4.



Q.17 Which two numbers should be interchanged to make the given equation correct?

$$(99 - 42 + 11) + (36 \div 6) \times 7 - 50 = 73$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 7 and 11
 - 2. 50 and 99
 - 3. 50 and 11
 - 4. 42 and 36

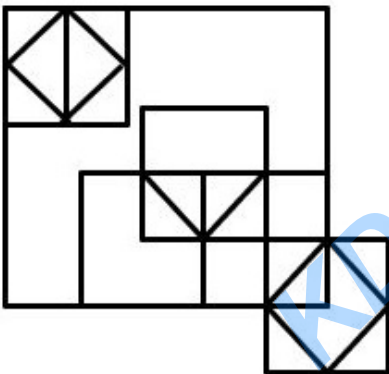
Q.18 If 18 August 2000 was Friday, then what was the day of the week on 21 August 2005?

- Ans
- 1. Wednesday
 - 2. Sunday
 - 3. Monday
 - 4. Friday

Q.19 In a certain code language, 'BAKE' is coded as '2496' and 'CAKE' is coded as '4369'. How is 'B' coded in that language?

- Ans
- 1. 2
 - 2. 4
 - 3. 6
 - 4. 9

Q.20 How many triangles are there in the given figure?



- Ans
- 1. 16
 - 2. 18
 - 3. 15
 - 4. 17

Q.21 What should come in place of ? in the given series based on the English alphabetical order?

OWL QAQ ? UIA WMF

- Ans
- 1. LQJ
 - 2. XMB
 - 3. SEV
 - 4. PNL

Q.22 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

xy_z_xxy_zbx_yx_bx_y_z_x

- Ans
- 1. xyxxzxxb
 - 2. xbxyzxxb
 - 3. xzxyyzx
 - 4. xbxxzxxb

Q.23 161 is related to 23 following a certain logic. Following the same logic, 301 is related to 43. To which of the following is 427 related following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 57
 - 2. 61
 - 3. 59
 - 4. 63

Q.24 Which two numbers should be interchanged to make the given equation correct?

$$69 + 15 - (14 \times 4) \div 2 + (48 \div 3) = 58$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 48 and 15
 - 2. 4 and 2
 - 3. 3 and 4
 - 4. 69 and 48

Q.25 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(11, 8, 352)
(15, 6, 360)

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. (17, 6, 102)
 - 2. (8, 9, 352)
 - 3. (16, 5, 320)
 - 4. (11, 7, 231)

Q.1 The distance between the centres of two circles of radii 7 cm and 5 cm is 15 cm. Find the length of the transverse common tangent to these circles.

- Ans
- 1. 7 cm
 - 2. 11 cm
 - 3. 13 cm
 - 4. 9 cm

Q.2 The length, breadth and height of a cuboid are in ratio of 3 : 4 : 5. If the volume of the cuboid is 1620 m^3 , find the total surface area of the cuboid.

- Ans
- 1. 646 m^2
 - 2. 846 m^2
 - 3. 423 m^2
 - 4. 712 m^2

Q.3 If $a : b = 3 : 4$, $b : c = 2 : 3$, and $c : d = 5 : 6$, then $a : b : c : d$ is:

- Ans
- 1. 10 : 20 : 30 : 36
 - 2. 15 : 25 : 30 : 36
 - 3. 15 : 20 : 30 : 36
 - 4. 15 : 20 : 35 : 36

Q.4 If $3c2933k$ is divisible by both 5 and 11, where c and k are single digit natural numbers, then $c + k =$ _____.

- Ans
- 1. 6
 - 2. 8
 - 3. 5
 - 4. 7

Q.5 Simplify the following expression.

$$99 - [169 \div (13 \times 13) - (-4) - \{3 - 17 + 10\}]$$

- Ans
- 1. 107
 - 2. 87
 - 3. 80
 - 4. 90

Q.6 A cylindrical oil tank has a radius of 5 m and a total surface area of 628 m^2 , what would be its curved surface area? (round off to the second decimal place)

- Ans
- 1. 401.43 m^2
 - 2. 371.83 m^2
 - 3. 470.8 m^2
 - 4. 481.43 m^2

Q.7 $\triangle ABC$ is similar to $\triangle DEF$ and the ratio of the area of triangle ABC to triangle DEF is 25 :

144. If $AB = p$ cm, $AC = q$ cm and $BC = r$ cm, then $DE = ?$

Ans

1. $\frac{5}{12}q$

2. $\frac{5}{12}p$

3. $\frac{12}{5}p$

4. $\frac{12}{5}q$

Q.8 Monthly salary of Jitvik in the month of December 2020 was ₹24,800. Every year his salary increases by 5% from the month of January. What was his salary (in ₹) in the month of February 2022?

Ans 1. 27180

2. 27486

3. 26485

4. 27342

Q.9 The difference between 31% and 26% of votes for the same party at different places is 2350. What is 7% of those votes?

Ans 1. 2270

2. 4090

3. 3090

4. 3290

Q.10 A sum of ₹18,000 gives a simple interest of ₹3,240 in 2 years and 3 months. The rate of interest per annum is:

Ans 1. 12%

2. 8%

3. 7%

4. 10%

Q.11 Abhishek's marks in Mathematics were incorrectly entered as 93 instead of 63. Due to this, the average marks of the class in Mathematics got increased by 0.5. How many students were there in the class?

Ans 1. 55

2. 60

3. 50

4. 45

Q.12 A coffee maker with marked price ₹4,000 is available on successive discounts of 15%, 10% and 5%. Find the selling price of the coffee maker.

Ans 1. ₹2,905

2. ₹2,907

3. ₹2,900

4. ₹2,903

Q.13 Sapna finishes a job in 12 hours working alone. If Sapna and Riya finish the same job in 8 hours working together at their respective constant rates, then, in how many hours can Riya do the job working alone?

- Ans
- 1. 18
 - 2. 20
 - 3. 16
 - 4. 24

Q.14 If $\tan A = a \tan B$ and $\sin A = b \sin B$, then the value of $\cos^2 A$ is:

- Ans
- 1. $\frac{b^2 + 1}{a^2 + 1}$
 - 2. $\frac{b^2 - 1}{a^2 - 1}$
 - 3. $\frac{a^2 + 1}{b^2 + 1}$
 - 4. $\frac{a^2 - 1}{b^2 - 1}$

Q.15 Rajesh is playing with a football having diameter of 28 cm. He wants to get a photo of his favourite player painted on the entire ball. The painter charges ₹2/cm². What will be the cost (in ₹) of painting the ball (take $\pi = \frac{22}{7}$)?

- Ans
- 1. 4,928
 - 2. 2,414
 - 3. 4,828
 - 4. 2,464

Q.16 AB is parallel to DC in a trapezium ABCD. It is given that $AB > DC$ and the diagonals AC and BD intersect at O. If $AO = 3x - 15$, $OB = x + 9$, $OC = x - 5$ and $OD = 5$, and x has two values x_1 and x_2 , then the value of $(x_1^2 + x_2^2)$ is:

- Ans
- 1. 45
 - 2. 56
 - 3. 61
 - 4. 73

Q.17 Study the given table and answer the questions that follow.

The table represents the number of candidates appeared, qualified, and selected in a national level examination from four different schools M, N, O and P over the years 2012 to 2017.

Where A: Appeared; Q: Qualified ; S:Selected

Year	M			N			O			P		
	A	Q	S	A	Q	S	A	Q	S	A	Q	S
2012	7000	750	84	3000	400	34	2000	250	27	1500	160	23
2013	5500	500	55	3500	420	56	2500	340	36	2500	290	56
2014	6500	455	42	3800	460	66	3500	380	48	2700	480	67
2015	8500	854	89	4500	485	72	4500	560	57	3400	540	87
2016	9000	922	92	4690	678	86	5670	660	68	3700	650	89
2017	9200	942	94	6700	700	92	6780	680	89	4500	670	93

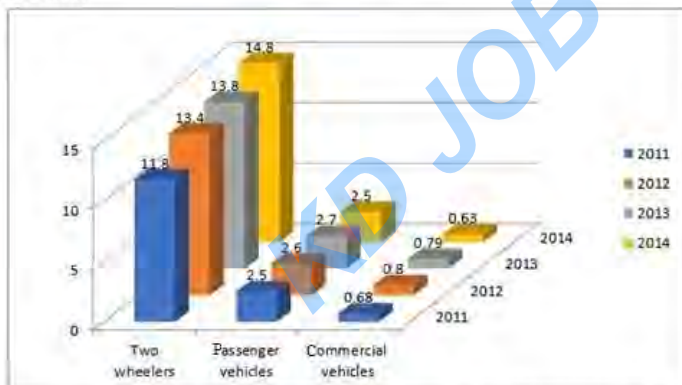
For which school is the average number of candidates selected over the years the maximum?

- Ans
- 1. P
 - 2. N
 - 3. O
 - 4. M

Q.18 Ravath had to sell vegetables worth ₹4,960 for ₹4,712 due to weather conditions. What is the loss percentage that he has incurred?

- Ans
- 1. 15%
 - 2. 20%
 - 3. 10%
 - 4. 5%

Q.19 The given chart represents the sales of automobiles in India (by type, in million units) from the year 2011 to 2014. Study the chart and answer the question that follows.

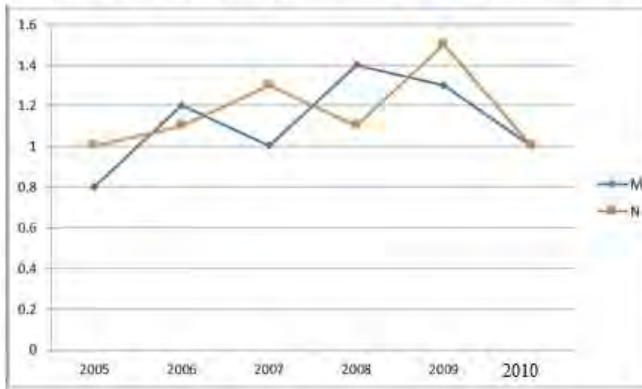


If the same percentage increase in the number of two wheelers as in 2014 over 2013 is expected in 2015, approximately how many two wheelers will be sold in 2015?

- Ans
- 1. 15.8 million
 - 2. 16.8 million
 - 3. 14.8 million
 - 4. 17.8 million

Q.20 The following line graph shows the ratio of imports to exports of two companies over the years.

Study the graph carefully and answer the question that follows.



If the exports of Company M in 2008 were ₹210 crores, what were the imports of the company in the same year?

- Ans**
- 1. ₹268 crores
 - 2. ₹186 crores
 - 3. ₹294 crores
 - 4. ₹150 crores

Q.21 Raju has ₹11,000 and starts saving ₹5,000 each week towards buying a new laptop. At the same time, Ramesh has ₹60,000 and begins spending ₹2,000 per week on supplies for his art class. Will there be a week when they have the same amount of money?

- Ans**
- 1. Yes, after 5 weeks
 - 2. No, they will never have the same amount
 - 3. Yes, after 7 weeks
 - 4. Yes, after 6 weeks

Q.22 A girl walking at a speed of 9 km/h crosses a bridge in 45 minutes. Find the length of the bridge in metres.

- Ans**
- 1. 7532
 - 2. 6750
 - 3. 6349
 - 4. 6398

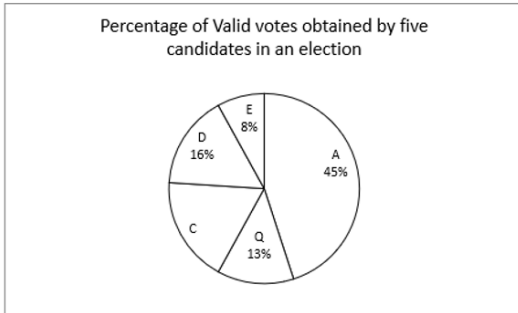
Q.23 The population of a town first decreased by 16% due to migration to a big city for better job opportunities. The next year, the population of the town increased by 21% as there were better facilities for jobs. What is the net percentage change (correct to 2 decimal places) in the population?

- Ans**
- 1. Decrease by 2.54%
 - 2. Increase by 2.54%
 - 3. Decrease by 1.64%
 - 4. Increase by 1.64%

Q.24 In triangle XYZ, $XY = YZ$ and $m\angle X = 78^\circ$. Find the value of $m\angle Y$.

- Ans**
- 1. 24°
 - 2. 39°
 - 3. 34°
 - 4. 28°

Q.25 Study the given pie chart and answer the question that follows. The given pie chart represents the percentage of valid votes obtained by five candidates in a university election.



If candidate C has obtained 270 valid votes, then which are the two candidates for whom the difference in valid votes obtained is 45?

- Ans**
- 1. Q and C
 - 2. D and Q
 - 3. A and Q
 - 4. C and D

Q.1 The 42nd amendment of the Indian Constitution added _____.

- Ans**
- 1. Fundamental rights
 - 2. Fundamental duties
 - 3. National anthem
 - 4. Legislature

Q.2 With which of the following sports is Lovlina Borgohain associated?

- Ans**
- 1. hockey
 - 2. basketball
 - 3. boxing
 - 4. cricket

Q.3 The relationship between which of the following is correct?

- Ans**
- 1. Domestic income = NDP at market price + net indirect taxes
 - 2. NDP at market price = GDP at market price + depreciation
 - 3. GDP at market price = price + quantity of final goods and services
 - 4. National income = NDP at factor cost + net factor income from abroad

Q.4 Which of the following statement(s) is/are INCORRECT vis-à-vis Fundamental Duties?

- 1) They are obligatory in nature
- 2) Fundamental Rights and Fundamental duties are complementary to each other.
- 3) The introduction of Article 51A created strong base for a concrete national character and strong harmony.
- 4) Eleventh fundamental duty was added by 78th constitutional amendment act.

- Ans**
- 1. 2 and 3
 - 2. 1 and 2
 - 3. Only 4
 - 4. Only 3

Q.5 Pinjore heritage festival is organised by the state of _____.

- Ans**
- 1. Uttarakhand
 - 2. Sikkim
 - 3. Haryana
 - 4. Jharkhand

Q.6 In which of the following states are the Pai songs accompanied by the Saria dance sung during the rain festivals?

- Ans**
- 1. Tripura
 - 2. Uttar Pradesh
 - 3. Madhya Pradesh
 - 4. Sikkim

Q.7 As per Census of India 2011, which of the following groups of states recorded the lowest literacy rate?

- Ans**
- 1. Bihar and Madhya Pradesh
 - 2. Rajasthan and Assam
 - 3. Bihar and Arunachal Pradesh
 - 4. Rajasthan and Jharkhand

Q.8 Sanjukta Panigrahi a legendary dancer is associated with which of the following dance forms?

- Ans**
- 1. Bihu
 - 2. Odissi
 - 3. Kuchipudi
 - 4. Laho

Q.9 Which of the following options is INCORRECT?

- Ans**
- 1. The Planning Commission of India was set up in 1950.
 - 2. India borrowed the idea of five-year plans from the former Soviet Union.
 - 3. The chairmanship of the Planning Commission of India was given to the Prime Minister.
 - 4. Distinguished economists from India and abroad were invited to advise on India's economic development during the first five-year plan period.

Q.10 Who among the following is a singer of Hindustani classical music?

- Ans**
- 1. S Sowmya
 - 2. Shubha Mudgal
 - 3. Aruna Sairam
 - 4. Sudha Ragunathan

Q.11 The Maritime Anti-Piracy Act, 2022, was enacted to give effect to which of the following?

- Ans**
- 1. United Nations Regional seas convention relating to repression of piracy on high seas.
 - 2. United Nations Treaty on Oceans relating to repression of piracy on high seas.
 - 3. United Nations Convention on the Law of the Sea relating to repression of piracy on high seas.
 - 4. United Nations Convention on Oceans and Seas relating to repression of piracy on high seas.

Q.12 Which of the following rocky planets is the fastest planet in our solar system – traveling through space at about 29 miles (47 kilometres) per second?

- Ans 1. Earth
 2. Mercury
 3. Venus
 4. Mars

Q.13 Which state hosts the Nehru trophy boat race?

- Ans 1. Kerala
 2. Goa
 3. Karnataka
 4. Tamil Nadu

Q.14 In cricket, _____ is called by the umpire when the bowler doesn't deliver the ball within reach of the batter.

- Ans 1. dead ball
 2. yorker
 3. no ball
 4. wide

Q.15 The phenomenon of the interaction between nonallelic genes at two or more loci resulting in one gene masking the phenotypic expression of another gene, is known as:

- Ans 1. incomplete inheritance
 2. linkage
 3. epistasis
 4. complete inheritance

Q.16 Brihadiswara Temple which exhibits Dravidian temple architecture is located in _____.

- Ans 1. Dharmapuri
 2. Thiruvananthapuram
 3. Madurai
 4. Thanjavur

Q.17 _____ was appointed British High Commissioner to India in April 2024.

- Ans 1. Lindy Cameron
 2. Philip Barton
 3. Dominic Asquith
 4. Nicholas Fenn

Q.18 Who among the following rulers was a part of the Tripartite Struggle for the possession of Kannauj?

- Ans 1. Prithvi Raj III
 2. Yashovarman
 3. Dharmapala
 4. Mahendrapal

Q.19 Rows in MS-Excel are identified by:

- Ans 1. timings
 2. letters
 3. numbers
 4. numbers with letters

Q.20 Which organisation, in collaboration with the Central Board of Secondary Education (CBSE), and the Ministry of Education, announced the launch of the 'AI For All' initiative with the purpose of creating a basic understanding of artificial intelligence for everyone in India?

- Ans 1. TCS
 2. IBM
 3. Infosys
 4. Intel

Q.21 Match the states in column A to their ports in column B.

Column A (States)	Column B (Ports)
1. Goa	a. Mormugao Port
2. West Bengal	b. Kandla Port
3. Tamil Nadu	c. Tuticorin Port
4. Gujarat	d. Haldia Port

- Ans 1. 1-a, 2-d, 3-c, 4-b
 2. 1-a, 2-c, 3-d, 4-b
 3. 1-a, 2-d, 3-b, 4-c
 4. 1-d, 2-a, 3-c, 4-b

Q.22 In Microsoft Word, which option allows you to exclude specific sections or types of text from the spelling and grammar check?

- Ans 1. spell check
 2. Thesaurus
 3. Exclusion Dictionary
 4. AutoCorrect

Q.23 Which of the following states has mangrove forests?

- Ans 1. Telangana
 2. Andhra Pradesh
 3. Rajasthan
 4. Manipur

Q.24 Which of the following devices is used to accelerate charged particles to high velocities?

- Ans 1. cosmotron
 2. cyclotron
 3. copatron
 4. cryotron

Q.25 Bankim Chandra Chatterjee wrote a novel Anand Math based on which of the following rebellions/revolts?

- Ans**
- 1. Paika Rebellion
 - 2. Sanyasi Rebellion
 - 3. Kuki Revolt
 - 4. Mappila Rebellion

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	Pawan Ganga Educational Centre 1
Exam Date	05/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The soldiers / were selected / on the section / of 'gallantry of spirits'.

- Ans
- 1. The soldiers
 - 2. were selected
 - 3. of 'gallantry of spirits'.
 - 4. on the section

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

We has travelled / to many states / of India to get / an essence of its diversity.

- Ans
- 1. of India to get
 - 2. to many states
 - 3. an essence of its diversity
 - 4. We has travelled

Q.3 Select the option that corrects the following sentence.
All tickets of the FIFA World Cup have been sold away.

- Ans
- 1. All tickets of the FIFA World Cup have been sold out.
 - 2. All tickets of the FIFA World Cup have been sold among.
 - 3. All tickets of the FIFA World Cup have been sold into.
 - 4. All tickets of the FIFA World Cup have been sold across.

Q.4 Select the most appropriate option to fill in the blank.

The captain dropped the trophy while he _____ the victory with his teammates.

- Ans
- 1. celebrates
 - 2. was celebrating
 - 3. is celebrating
 - 4. celebrated

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. loosely
 2. largely
 3. widely
 4. vastly

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. prepare
 2. destroy
 3. design
 4. form

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. wealth
 2. rich
 3. store
 4. debt

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. success
 2. plenty
 3. abundance
 4. fortune

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

For decades, humans have tried to theorise the origin and evolution of the universe. Many theories have been proposed and rejected. However, the Big Bang theory has been the most (1) _____ accepted. According to this theory, the universe began as a single point, or singularity, around 13.8 billion years ago. This singularity contained all the matter and energy that would eventually (2) _____ the stars, galaxies and other structures that make up our universe today. The Big Bang theory is supported by a (3) _____ of observational evidence, including the cosmic microwave background radiation, the (4) _____ of light elements in the universe and the large-scale structure of the cosmos. Despite its success, the Big Bang theory is still an active area of research, with scientists seeking to better understand the earliest moments of the universe and the (5) _____ of dark matter and energy.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. brand
 2. capture
 3. environment
 4. nature

Q.10 Identify the most appropriate ANTONYM of the underlined word in the given sentence.
 The vendor said that the apples were of superior quality.

- Ans 1. Distasteful
 2. Excellent
 3. Inferior
 4. Small

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Employers in many developing countries report that a lack of skilled workers is a major and increasing bottleneck for their operations, affected their capacity to innovate.

- Ans 1. effect their capacity
 2. affect their capacity
 3. effecting their capacity
 4. affecting their capacity

Q.12 Select the most appropriate option that can substitute the underlined word in the given sentence.

The dedicated teacher laboured assiduously to aid her pupils in achieving success.

- Ans 1. committed
 2. apathetic
 3. uninvolved
 4. un-biased

Q.13 Select the most appropriate option to fill in the blank.

Which _____ do you usually take to reach your office?

- Ans 1. rude
 2. route
 3. root
 4. rout

Q.14 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

The clamour distracted the priest and made him angry.

- Ans 1. narrow-mindedness
 2. humorous deception
 3. loud and confused noise
 4. introduction of new things

Q.15 Select the most appropriate meaning of the given idiom.

Bag and baggage

- Ans 1. By force
 2. Fair and honest
 3. At the service
 4. With all goods

Q.16 Select the most appropriate synonym of the given word.
Tedious

- Ans 1. Happening
 2. Exciting
 3. Working
 4. Boring

Q.17 Select the INCORRECTLY spelt word.

- Ans 1. Immaculate
 2. Innoculate
 3. Irreverent
 4. Immense

Q.18 Select the most appropriate synonym of the given word.

Permit

- Ans 1. Approve
 2. Flout
 3. Disgrace
 4. Abandon

Q.19 Select the most appropriate ANTONYM of the underlined word.

No one trusts her as her reasons are always explicit.

- Ans 1. Exact
 2. Ambiguous
 3. Precise
 4. Distant

Q.20 Select the most appropriate homophone to fill in the blank.

Arun knows perfectly well how to mix the food items with _____.

- Ans 1. sauce
 2. sause
 3. source
 4. saws

Q.21 The following sentence has been split into four segments. Identify the segment that contains a spelling error.

The make-up room was filled / with incadescent lights / which added to the misery / of those subjected to make-up.

- Ans 1. The make-up room was filled
 2. with incadescent lights
 3. which added to the misery
 4. of those subjected to make-up

Q.22 Select the most appropriate meaning of the underlined idiom.

The United Nations is working to eliminate the vicious cycle of poverty.

- Ans 1. One problem causes other
 2. Strength of something
 3. Loophole of something
 4. The barrier of poverty

Q.23 Select the correct collocation to complete the following sentence.

He made _____ use of the opportunity to travel.

- Ans 1. entire
 2. whole
 3. total
 4. full

Q.24 Select the most appropriate option that can substitute the underlined word segment in the following sentence.

The girl which is wearing a blue shirt is my sister.

- Ans**
- 1. who is wearing a blue shirt
 - 2. who wear a blue shirt
 - 3. which wear a blue shirt
 - 4. which is wearing the blue shirt

Q.25 Select the most appropriate ANTONYM of the underlined word in the given sentence.
Essays must be concise .

- Ans**
- 1. Lengthy
 - 2. Precise
 - 3. Excise
 - 4. Total

Q.1 TMBF is related to ATIM in a certain way based on the English alphabetical order. In the same way, CLGP is related to JSNW. To which of the following is QEAD related, following the same logic?

- Ans**
- 1. XKHL
 - 2. XLKH
 - 3. XHKL
 - 4. XLHK

Q.2 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follows from the given statement.

Statements:

All jams are butter.

Some nibs are ink.

Some nibs are butter.

Conclusion (I): Some ink is butter.

Conclusion (II): All jams are nibs.

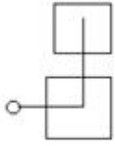
- Ans**
- 1. Only conclusion (II) follows.
 - 2. Only conclusion (I) follows.
 - 3. Neither conclusion (I) nor (II) follows.
 - 4. Both conclusions (I) and (II) follow.

Q.3 Select the option in which the given figure is embedded. (Rotation is NOT allowed.)

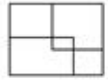


Ans

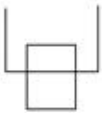
1.



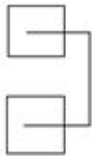
2.



3.



4.



Q.4 If 19 July 2012 is Thursday, then what will be the day of the week on 11 January 2018?

Ans 1. Wednesday

2. Saturday

3. Monday

4. Thursday

Q.5 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$17 \text{ C } 69 \text{ A } 3 \text{ D } 22 \text{ B } 1 = ?$$

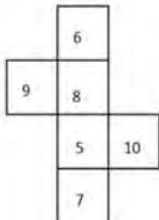
Ans 1. 14

2. 16

3. 12

4. 18

Q.6 What would be the number on the opposite side of '8' if the given sheet is folded to form a cube?



Ans 1. 10

2. 6

3. 7

4. 5

Q.7 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(13, 234, 9)
(15, 180, 6)

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. (12, 108, 9)
 2. (14, 196, 7)
 3. (16, 240, 5)
 4. (17, 340, 5)

Q.8 What should come in place of the question mark (?) in the given series?

63, 64, 66, 69, 73, ?

- Ans 1. 80
 2. 78
 3. 77
 4. 79

Q.9 The position of how many letters will remain unchanged if all the letters in the word DIALECT are arranged in alphabetical order?

- Ans 1. Three
 2. One
 3. Four
 4. Two

Q.10 What will come in the place of '?' in the following equation if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$21 - 7 \times 26 + 46 \div 36 = ?$$

- Ans 1. 908
 2. 1163
 3. 760
 4. 8667

Q.11 Which of the following numbers will replace the question mark (?) in the given series?

11 4 22 20 44 100 88 500 ?

- Ans 1. 154
 2. 182
 3. 176
 4. 160

Q.12 What should come in place of ? in the given series based on the English alphabetical order?

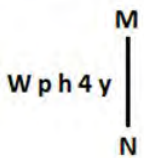
TUV RXR ? NDJ LGF

- Ans**
- 1. NAP
 - 2. VOI
 - 3. PAN
 - 4. CAL

Q.13 In a certain code language, 'SOAP' is coded as '4629' and 'SPOT' is coded as '9824'. How is 'A' coded in the given language?

- Ans**
- 1. 6
 - 2. 4
 - 3. 2
 - 4. 8

Q.14 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans**
- 1. y P d q W
 - 2. y p h 4 W
 - 3. y P h q W
 - 4. Λ P d q W

Q.15 In a certain code language,

A + B means 'A is the daughter of B'

A - B means 'A is the wife of B'

A × B means 'A is the brother of B'

A ÷ B means 'A is the father of B',

Based on the above, if 'P + Q × R - S ÷ T', which of the following is true?

- Ans**
- 1. T is S's Son,
 - 2. P is the daughter of T's Mother's Brother,
 - 3. P is the sister of T,
 - 4. Q is the brother of S,

Q.16 Which figure should replace the question mark (?) if the following figure series were to be continued?

Q	□	3	I	5	△	△	I	5	Q	9	3	
	△		Q			3			△			?
I	5	G	G	□	3	Q	9	G	G	I	5	

Ans

✓ 1.

3	Q	9
	5	
△	E	G

✗ 2.

3	Q	9
	I	
5	△	G

✗ 3.

3	Q	9
	5	
△	G	E

✗ 4.

3	Q	9
	E	
5	G	I

Q.17 RTVX is related to SUWY in a certain way based on the English alphabetical order. In the same way, KMOQ is related to LNPR. To which of the following is FHJL related, following the same logic?

- Ans
- ✗ 1. GIJK
 - ✗ 2. GIKN
 - ✓ 3. GIKM
 - ✗ 4. GHJK

Q.18 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. k 4 3 @ m s P
 - 2. P a m @ 4 3 k
 - 3. P a m @ 4 3 k
 - 4. P a m @ 4 3 k

Q.19 Select the correct option that when filled in the blanks in the same sequence will make the series logically complete.
GH_ST_HO_RGHOSPG_OS_

- Ans
- 1. ORHSN
 - 2. GOHNP
 - 3. OGSHN
 - 4. GORNH

Q.20 What will come in place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
 $15 + 2 - 13 \times 13 \div 3 = ?$

- Ans
- 1. 24
 - 2. 23
 - 3. 18
 - 4. 16

Q.21 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. OMJ
 - 2. PNK
 - 3. BZW
 - 4. RTQ

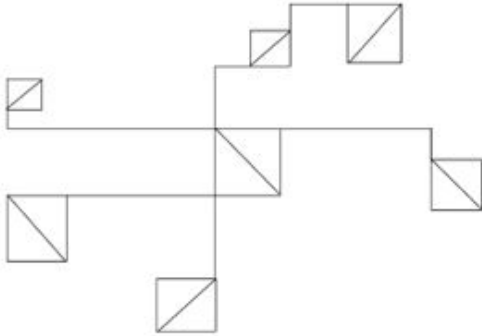
Q.22 In a certain code language, 'pleased to meet' is written as 'bj sc vw' and 'meet and greet' is written as 'ih bj tf'. How is 'meet' written in the given language?

- Ans
- 1. bj
 - 2. ih
 - 3. tf
 - 4. vw

Q.23 12 is related to 72 following a certain logic. Following the same logic, 19 is related to 114. To which of the following is 29 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. 171
 2. 174
 3. 173
 4. 170

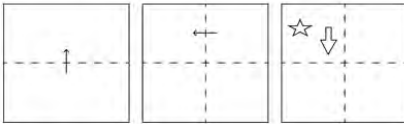
Q.24 How many triangles are there in the given figure?



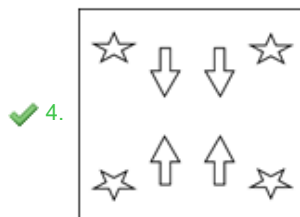
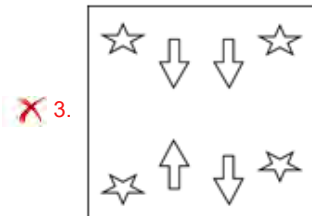
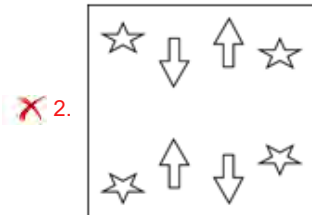
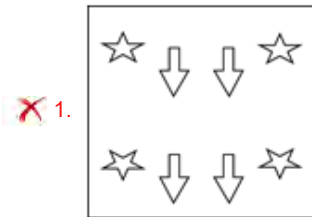
- Ans 1. 12
 2. 14
 3. 15
 4. 13

KD JOB UPDATES

Q.25 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?



Ans



Q.1 The sum of two-digit number and the number obtained by interchanging the digit is 77. If the difference of digits is 1, then the number is:

- Ans**
- 1. 67
 - 2. 34
 - 3. 12
 - 4. 45

Q.2 An equal sum of money was lent to P and Q at 8.6% per annum for a period of 7 years and 8 years, respectively. If the difference in interest paid by them was ₹172, then the sum lent to each was:

- Ans**
- 1. ₹2,000
 - 2. ₹3,000
 - 3. ₹2,150
 - 4. ₹185

Q.3 A solid copper sphere of radius 9 cm is drawn into a wire of radius 4 mm. Find the length of the wire.

- Ans 1. 70.25 m
 2. 60.75 m
 3. 20.75 m
 4. 65.25 m

Q.4 A chord of length 12 units in a circle of radius 10 units is _____ units away from its centre.

- Ans 1. 8
 2. 9
 3. 10
 4. 6

Q.5 The average age of 24 workers and their supervisor is 41 years. If the supervisor's age is excluded, the average reduces by 0.75 years. The age of the supervisor is:

- Ans 1. 59 years
 2. 41 years 9 months
 3. 40 years 9 months
 4. 49 years

Q.6 PQ is a chord of a circle. The tangent XR at point X on the circle intersects the extension of PQ at point R. Given that XR = 12 cm, PQ = x cm, and QR = (x - 2) cm, find the value of x.

- Ans 1. 10 cm
 2. 9 cm
 3. 8 cm
 4. 11 cm

Q.7 If $\frac{1}{M} : \frac{1}{N} : \frac{1}{O} = 3 : 4 : 5$, then M : N : O is equal to:

- Ans 1. 12 : 15 : 20
 2. 20 : 15 : 12
 3. 20 : 12 : 15
 4. 15 : 20 : 12

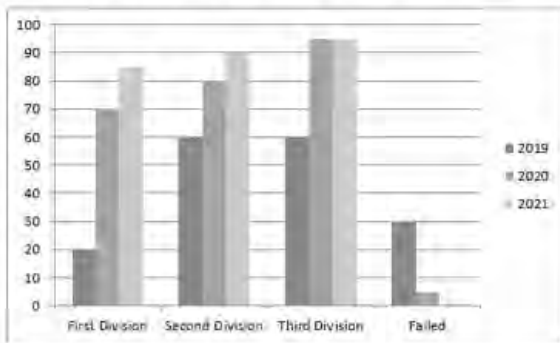
Q.8 In an election between two candidates, one candidate gets 72% of the total votes cast. If the total votes are 1000, by how many votes does the winner win the election?

- Ans 1. 360
 2. 720
 3. 250
 4. 440

Q.9 Write the smallest digit in the blank space of a number 7__7624, so that the number formed is divisible by 3.

- Ans 1. 2
 2. 1
 3. 3
 4. 0

Q.10 The given graph shows the higher secondary result of a particular school, from 2019 to 2021. Study the graph and answer the question that follows.



The percentage of students who passed in the year 2020 is:

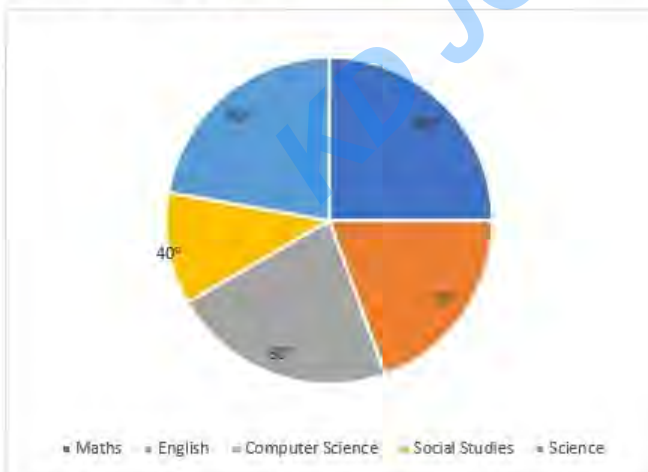
- Ans**
- 1. 98%
 - 2. 30%
 - 3. 70%
 - 4. 28%

Q.11 A number is first increased by 44% and then decreased by 30%. The net percentage change (rounded off to the nearest integer) in the original number is:

- Ans**
- 1. increase by 1%
 - 2. increase by 4%
 - 3. decrease by 1%
 - 4. decrease by 4%

Q.12 Study the given pie chart and answer the question that follows.

The pie chart shows the marks obtained by a student in an examination. The total marks he scored is 450.



The difference between the marks obtained in (English+Maths) and (Computer Science+Science) is:

- Ans**
- 1. 30
 - 2. 0
 - 3. 10
 - 4. 20

Q.13 The given table shows the number of pizzas sold by four different bakeries in 5 different months.

Bakery / Month	October	November	December	January	February
X	102	120	105	130	140
Y	98	104	115	120	136
Z	89	106	112	118	126
W	96	105	97	110	122

What is the respective ratio of the total number of pizzas sold by bakeries Y and Z together in November to the total number of pizzas sold by bakeries X and W together in the same month?

- Ans
- 1. 34 : 37
 - 2. 42 : 49
 - 3. 32 : 45
 - 4. 42 : 45

Q.14 Find the height of the triangle whose base is two-thirds of its height and whose area is 363 cm^2

- Ans
- 1. 33 cm
 - 2. 27 cm
 - 3. 29 cm
 - 4. 31 cm

Q.15 To reach at a destination, D takes 45 minutes if he drives at a speed of 60 km/h . Due to some urgency, he is to reach the destination in 30 minutes. What should be his speed in km/h ?

- Ans
- 1. 90
 - 2. 75
 - 3. 60
 - 4. 80

Q.16 Simplify

$$\frac{\frac{1}{2} \div \frac{3}{4} \text{ of } \frac{5}{6}}{\frac{1}{2} \div \frac{3}{4} \times \frac{5}{6}} + \frac{2 + 2 \times 2}{2 \div 2 \times 2}$$

- Ans
- 1. $\frac{111}{25}$
 - 2. $\frac{121}{25}$
 - 3. $\frac{75}{36}$
 - 4. 4

Q.17 A shopkeeper marks up his goods 32% above the cost price and gives a discount of 21% on the marked price. Find his gain percentage on the goods.

- Ans**
- 1. 8.24%
 - 2. 8.42%
 - 3. 4.28%
 - 4. 4.82%

Q.18 Ramendra purchased some watermelons for ₹1,500. He sold one-fourth of them at a loss of 12%. At what gain percentage should the remaining watermelons be sold so as to gain 25% on the whole transaction (correct to two decimal places)?

- Ans**
- 1. 37.65%
 - 2. 33.73%
 - 3. 33.43%
 - 4. 37.33%

Q.19 Study the given graph and answer the question that follows.

The graph shows the exports from three companies (A, B and C) over the years (in ₹ crore).



In how many given years, were the exports from company C less than the average annual exports over the given years?

- Ans**
- 1. 4
 - 2. 5
 - 3. 2
 - 4. 3

Q.20 Shobhita can complete a painting work in 20 hours while Saroj can complete the same work in 15 hours. In how much time (in hours) can the entire work of painting be completed, if both Shobhita and Saroj work simultaneously?

- Ans**
- 1. 7
 - 2. 8
 - 3. $8\frac{4}{7}$
 - 4. $7\frac{4}{7}$

Q.21 $\triangle ABC$ and $\triangle DEF$ are similar and their areas are respectively 0.64 m^2 and 0.0121 m^2 . If $EF = 0.154 \text{ m}$, then BC is:

- Ans
- 1. 11.2 m
 - 2. 1.12 m
 - 3. 1.15 m
 - 4. 2.12 m

Q.22 The diameter of the base of a cylindrical tank is 28 cm and its height is 42 cm. Find its curved surface area.

- Ans
- 1. 3680 cm^2
 - 2. 3686 cm^2
 - 3. 3696 cm^2
 - 4. 3690 cm^2

Q.23 The radii of two concentric circles are 35 cm and 21 cm. If the chord of the greater circle is a tangent to the smaller circle, then the length of that chord is:

- Ans
- 1. 70 cm
 - 2. 28 cm
 - 3. 42 cm
 - 4. 56 cm

Q.24 If $\sin(X - Y) = \sin X \cos Y - \cos X \sin Y$, then the value of $\frac{\sin(A-B)}{\cos A \cos B} + \frac{\sin(B-C)}{\cos B \cos C}$ is:

- Ans
- 1. $\frac{\cos(A + C)}{\cos A \cos C}$
 - 2. $\frac{\sin(C - A)}{\cos A \cos C}$
 - 3. $\frac{\cos(A + C)}{\sin A \sin C}$
 - 4. $\frac{\sin(A - C)}{\cos A \cos C}$

Q.25 Raju spends 80% of his income. His income increased by 20%, while his spending rise by 10%. The percentage of increase in his savings is:

- Ans
- 1. 48%
 - 2. 30%
 - 3. 60%
 - 4. 40%

Q.1 Which MS Excel function can be used to sum up the numbers entered in a group of cells?

- Ans
- 1. AVERAGE
 - 2. COUNT
 - 3. SUM
 - 4. MAX

Q.2 Which of the following planets' atmosphere is made up of thick white and yellowish clouds of sulphuric acid?

- Ans
- 1. Venus
 - 2. Jupiter
 - 3. Mars
 - 4. Neptune

Q.3 Marathi language is in the _____ language family.

- Ans
- 1. Indo Aryan
 - 2. Austric
 - 3. Sino-India
 - 4. Austro

Q.4 The Tokyo Paralympics 2020 gold medal winner Krishna Nagar is associated with _____.

- Ans
- 1. badminton
 - 2. wrestling
 - 3. shooting
 - 4. table tennis

Q.5 The Constitution of India was adopted on _____.

- Ans
- 1. 26 January 1949
 - 2. 24 November 1947
 - 3. 26 January 1950
 - 4. 26 November 1949

Q.6 Which of the Mendel's laws states that a diploid organism passes a randomly selected allele for a trait to its offspring, such that the offspring inherit one allele from each parent?

- Ans
- 1. Law of independent assortment
 - 2. Law of segregation
 - 3. Law of dominance
 - 4. Law of paired factor

Q.7 Which directive principle has been implemented in establishing Handloom and Handicrafts Boards?

- Ans
- 1. Participation of workers in management of Industries
 - 2. Provision for just and humane condition of work
 - 3. Protection and improvement of environment
 - 4. Promote cottage industries on cooperative basis

Q.8 Who is Chairman of the Union Public Service Commission as on 31 March 2024?

- Ans 1. Shri Manoj Soni
 2. Shri BN Jha
 3. Ms. Smita Nagaraj
 4. Mrs. Preeti Sudan

Q.9 In 2026, which country will host Asian Games?

- Ans 1. India
 2. Japan
 3. China
 4. Nepal

Q.10 Who among the following was the first Sultan of Delhi to style himself as 'Zil-i-Ilahi'?

- Ans 1. Feroz Shah
 2. Iltutmish
 3. Balban
 4. Qutbuddin Aibak

Q.11 The music of traditional _____ consists of thumri and other lyrical song forms.

- Ans 1. Kathakali
 2. Sattriya
 3. Kathak
 4. Kuchipudi

Q.12 Which of the following is a public sector owned and operated entity?

- Ans 1. BHEL
 2. Tata Steel Ltd
 3. Bajaj Auto Ltd
 4. Oil India Ltd.

Q.13 Due to the efforts of whom among the following social reformers was the first Hindu Widow Remarriage Act introduced and passed in 1856?

- Ans 1. Radhakant Deb
 2. Raja Ram Mohan Roy
 3. Ishwar Chandra Vidyasagar
 4. Atmaram Pandurang

Q.14 In 1960, which isotope was used to define the standard measure of length?

- Ans 1. Krypton-88
 2. Krypton-90
 3. Krypton-86
 4. Krypton-83

Q.15 There is a cable manufacturing facility at HCL in Rupnarainpur. It is belong to which state?

- Ans 1. Haryana
 2. Assam
 3. Andhra Pradesh
 4. West Bengal

Q.16 Gandhi Jayanti marks the birthday of the father of the nation Mahatma Gandhi, who was born at _____.

- Ans 1. Gandhinagar
 2. Ahmedabad
 3. Porbandar
 4. Vadodara

Q.17 The process of merging data from a data source into a main document in a word-processing application is called:

- Ans 1. data accumulation
 2. mail merge
 3. data concatenation
 4. data integration

Q.18 Give Plastic and Take Gold scheme was launched in the village of which State/UT in year 2023?

- Ans 1. Assam
 2. Gujarat
 3. Jammu and Kashmir
 4. Lakshadweep

Q.19 Which is the Standard Meridian of India?

- Ans 1. 81°30' E
 2. 82°30' E
 3. 83°30' E
 4. 84°40' E

Q.20 Who is the author of the Indian national anthem?

- Ans 1. Bankim Chandra Chattopadhyay
 2. Rabindranath Tagore
 3. Kazi Nazrul Islam
 4. Ishwar Chandra Vidyasagar

Q.21 Which of the following is NOT a feature of a monopoly?

- Ans 1. One seller and many buyers
 2. Full control over the price by the seller
 3. One buyer and many sellers
 4. No close substitutes

Q.22 Who was the first Indian wrestler to win Gold at the World Championships in 2010?

- Ans 1. Geeta Phogat
 2. Sushil Kumar
 3. Alka Tomar
 4. Bajrang Punia

Q.23 Ohira folk music is primarily associated with one of the popular festivals of which of the following states?

- Ans 1. Jharkhand
 2. Karnataka
 3. Assam
 4. Kerala

Q.24 Who is the Union Minister of Civil Aviation in Government of India? (As of March, 2024).

- Ans 1. G Kishan Reddy
 2. Raj Kumar Singh
 3. Jyotiraditya M. Scindia
 4. Kiren Rijju

Q.25 According to Census of India 2011, which district in India has the lowest literacy rate in India?

- Ans 1. Aizwal
 2. Alirajpur
 3. Rampur
 4. Madhubani

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Arunodaya Nagar
Exam Date	05/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains an error.

If she exercises daily, / she would / remain energetic / and fit forever.

- Ans**
- 1. she would
 - 2. If she exercises daily
 - 3. and fit forever
 - 4. remain energetic

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The teacher will never / give you punishment / if you will / come on time.

- Ans**
- 1. come on time
 - 2. the teacher will never
 - 3. if you will
 - 4. give you punishment

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

With hard work, commitment / and proper guidance, / Sivaram has become / a IPS officer.

- Ans**
- 1. a IPS officer
 - 2. and proper guidance,
 - 3. Sivaram has become
 - 4. With hard work, commitment

Q.4 Parts of the following sentence have been given as options. Select the option that contains an error.

A owl is a bird which has wide eyes, asymmetrical ears and is found mostly in forests.

- Ans**
- 1. which has wide eyes,
 - 2. asymmetrical ears
 - 3. and is found mostly in forests.
 - 4. A owl is a bird

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. characterising
 2. characterises
 3. characteristic
 4. characterised

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. arguments
 2. concerns
 3. problems
 4. themes

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. could believe
 2. believes
 3. believed
 4. will believe

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each persons experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. Mostly
 2. Another
 3. Farther
 4. Additional

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Romantic poetry is a literary movement that emerged in the late 18th century and continued through the mid-19th century. It is (1)_____ by an emphasis on emotion, imagination and individualism. Romantic poets sought to express their innermost thoughts and feelings through their poetry, often exploring (2)_____ such as love, beauty and mortality. One of the defining features of Romantic poetry is its use of language and imagery to evoke powerful emotions in the reader. Many Romantic poets, such as William Wordsworth and Samuel Taylor Coleridge (3)_____ that poetry should be written in the language of common people, rather than in the lofty, formal language of the past. They also incorporated vivid descriptions of nature and the natural world into their poetry, using it as a source of inspiration and spiritual renewal. (4)_____ important aspect of Romantic poetry is its focus on the individual and the subjective experience. Romantic poets believed that each person's experience of the world was unique and valuable, and sought to capture this individuality in their writing. This led to a greater emphasis on personal expression and introspection in poetry, (5)_____ a rejection of the traditional poetic forms and structures of the past.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. whereas
 2. but
 3. therefore
 4. as well as

Q.10 Select the most appropriate ANTONYM of the given word.
Comical

- Ans 1. Remedial
 2. Tragic
 3. Rebellious
 4. Farcical

Q.11 Select the most appropriate option that can substitute the underlined words in the following sentence.
If you do hard work, you will have the expected results.

- Ans 1. bad results
 2. desired results
 3. required results
 4. good results

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Planets in our solar system close and big for them to twinkle.

- Ans 1. very close and big
 2. are quite close and big
 3. are too close and big
 4. is close and big

Q.13 Select the most appropriate meaning of the given idiom.
bread and butter

- Ans 1. An activity you do to get money for basic needs
 2. An activity you do to get help others
 3. An activity you do to improve your culinary skills
 4. An activity you do with determination

Q.14 Select the most appropriate ANTONYM of the given word.
Skeptic

- Ans 1. Atheist
 2. Careful
 3. Believer
 4. Infidel

Q.15 Select the most appropriate option to fill in the blank.
The bride had a big villa in comparison to the bridegroom's _____ house.

- Ans 1. distinct
 2. different
 3. large
 4. small

Q.16 Select the most appropriate connotation to fill in the blank.
Raju is such a _____ always prying into other people's business!

- Ans 1. cheeky
 2. stingy
 3. perky
 4. nosy

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

He asked his father when would come the next letter.

- Ans 1. come the next letter
 2. the next letter would come
 3. No substitution required
 4. would the next letter come

Q.18 Select the most appropriate option that can substitute the underlined words in the given sentence.

Although I have a lot of work to do, I am determined to finish it all by the end of the day so that I can enjoy my weekend not having any imminent due dates.

- Ans 1. with no pending reservations
 2. not with any pressure of due date
 3. not leaving any work incomplete
 4. without any looming deadlines

Q.19 Select the most appropriate option that can substitute the underlined word in the given sentence.

The professor did an objective evaluation.

- Ans 1. unjust
 2. prejudiced
 3. unbiased
 4. unfair

Q.20 Which of the following sentences contains the ANTONYM of the word 'ignore'?

- Ans 1. To keep a tidy kitchen, do not neglect washing your dishes.
 2. Avoid foods which make you sick.
 3. Ritika recognised Kavita in the gathering.
 4. He did not succeed in gaining custody of his daughter.

Q.21 Select the most appropriate idiomatic expression that can substitute the underlined segment in the given sentence.

Last year art critics praised Animesh as if he were a master, but he turned out to be a pleasure for a short time.

- Ans 1. a nine days' wonder
 2. a bull in a china shop
 3. a house of cards
 4. a dish fit for Gods

Q.22 Select the INCORRECTLY spelt word.

- Ans 1. Accurate
 2. Mantain
 3. Excellence
 4. Aquarium

Q.23 Identify the incorrectly spelt word and select its correct spelling.

It is his previlage to present all the candidates for ordination to the bishop of the diocese.

- Ans 1. odination
 2. deocease
 3. privilege
 4. prevalage

Q.24 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.

Her voice, soft and _____, (shrill) flowed effortlessly through the room.

- Ans 1. croaky
 2. nasal
 3. piercing
 4. mellow

Q.25 Select the most appropriate ANTONYM for the underlined word in the given sentence.

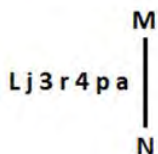
As a punishment for his betrayal to his country, the spy who sold secrets was sent to prison.

- Ans 1. Perilous
 2. Infidelity
 3. Nasty
 4. Loyalty

Q.1 In a certain code language, 'AUDIO' is coded as '59416' and 'BEND' is coded as '6238'. How is 'D' coded in that language?

- Ans 1. 1
 2. 2
 3. 6
 4. 4

Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans 1.
 2.
 3.
 4.

Q.3 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 132, 11)
 (13, 104, 8)

- Ans 1. (7, 105, 15)
 2. (9, 128, 14)
 3. (16, 146, 9)
 4. (18, 132, 7)

Q.4 Which two numbers should be interchanged to make the given equation correct?

$$136 - (176 \div 11) \times 8 + 22 \times 3 = 105$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans 1. 8 and 11
 2. 11 and 22
 3. 8 and 3
 4. 22 and 176

Q.5 What should come in place of the question mark (?) in the given series?

23, 27, 35, 47, 63, ?

- Ans 1. 85
 2. 82
 3. 84
 4. 83

Q.6 14 is related to 126 following a certain logic. Following the same logic, 21 is related to 189. To which of the following is 32 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 320
 - 2. 286
 - 3. 318
 - 4. 288

Q.7 What should come in place of ? in the given series based on the English alphabetical order?

TMF UNE VOD ? XQB

- Ans
- 1. WPC
 - 2. ACE
 - 3. WPI
 - 4. KOT

Q.8 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
 (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Light : Blind

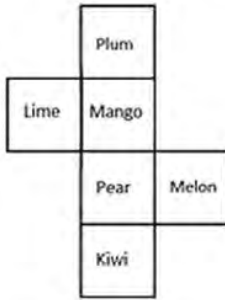
- Ans
- 1. Tongue : Sound
 - 2. Voice : Vibration
 - 3. Speech : Dumb
 - 4. Language : Deaf

Q.9 What would be the word on the opposite side of 'Feb' if the given sheet is folded to form a cube?



- Ans
- 1. Jan
 - 2. June
 - 3. May
 - 4. Mar

Q.10 What would be the word on the opposite side of 'Kiwi' if the given sheet is folded to form a cube?



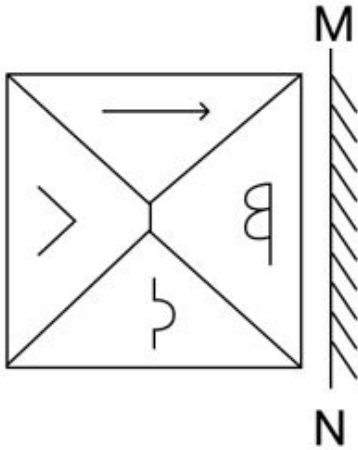
- Ans
- 1. Melon
 - 2. Plum
 - 3. Lime
 - 4. Mango

Q.11 'A ÷ B' means 'A is B's son'.
 'A × B' means 'A is B's sister'.
 'A + B' means 'A is B's brother'.
 'A - B' means 'A is B's mother'.
 Using the mathematical operators meaning the same as given above, which of the following means that 'S is T's husband'?

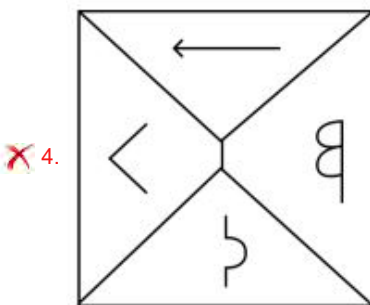
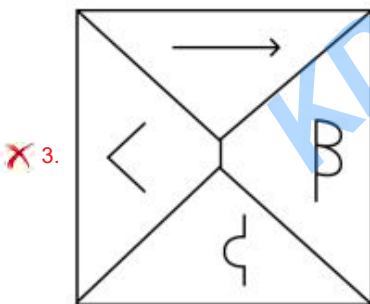
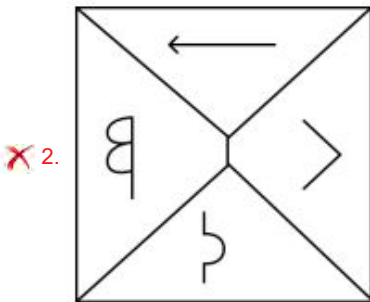
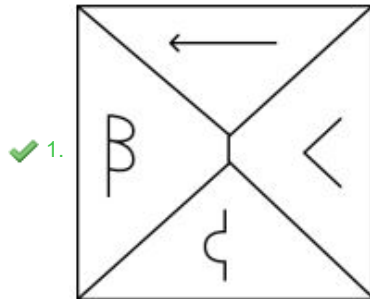
- Ans
- 1. $T - R + V ÷ S$
 - 2. $T ÷ R × V + S$
 - 3. $T - R + V × S$
 - 4. $T × R - V + S$

KD JOB UPDATES

Q.12 Select the correct mirror image of the given figure when the mirror is placed at MN.



Ans



Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
 $13 + 3 + 2 \times 2 - 11 = ?$

- Ans
- 1. 59
 - 2. 39
 - 3. 29
 - 4. 49

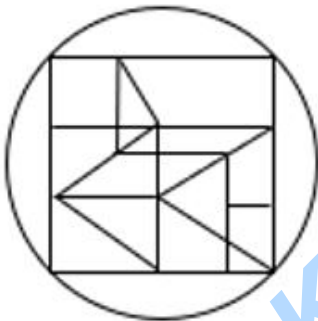
Q.14 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
 (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. DGJ
 - 2. HKN
 - 3. PSU
 - 4. TWZ

Q.15 YZWT is related to DEAX in a certain way based on the English alphabetical order. In the same way, QROL is related to VWSP. To which of the following is RSPM related, following the same logic?

- Ans
- 1. WXUQ
 - 2. WXTQ
 - 3. WYUQ
 - 4. WTXQ

Q.16 How many triangles are there in the given figure?



- Ans
- 1. 15
 - 2. 16
 - 3. 13
 - 4. 14

Q.17 If 15 August 2006 is a Tuesday, then what will the day of the week on 7 September 2017?

- Ans
- 1. Wednesday
 - 2. Monday
 - 3. Thursday
 - 4. Sunday

Q.18 What will come in the place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '×' and '-' are interchanged?
 $39 + 13 \times 12 \div 5 - 4 = ?$

- Ans**
- 1. 7
 - 2. 11
 - 3. 9
 - 4. 13

Q.19 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

☆	F	3	0	0	△	F	3	
	△		☆		B		0	?
0	3	F	△	3	F	△	B	

- Ans**
- 1.

△	F
9	
B	3
 - 2.

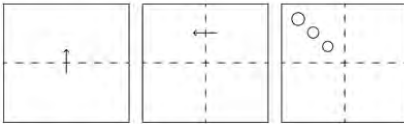
3	B
9	
F	△
 - 3.

B	△
3	
0	F
 - 4.

B	△
9	
3	F

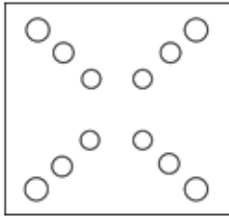
KD JOB UPDATES

Q.20 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

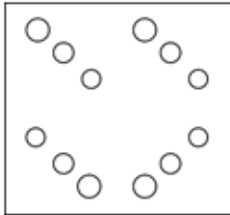


Ans

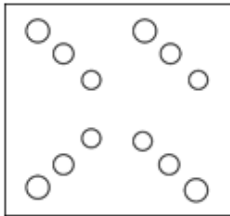
✓ 1.



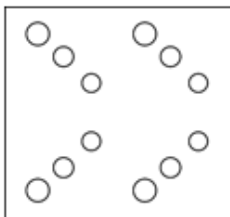
✗ 2.



✗ 3.



✗ 4.



Q.21 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CPW, HRA, MTE, RVI, ?

Ans ✗ 1. VYN

✗ 2. VXN

✗ 3. XXM

✓ 4. WXM

Q.22 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

28 B 7 D 176 A 8 C 13 = ?

Ans ✓ 1. 187

✗ 2. 186

✗ 3. 184

✗ 4. 185

Q.23 ZBRL is related to UWVG in a certain way based on the English alphabetical order. In the same way, IDSQ is related to DYNL. To which of the following is EVNA related, following the same logic?

- Ans**
- 1. ZIVQ
 - 2. ZQIV
 - 3. ZIQV
 - 4. ZQVI

Q.24 In a certain code language, 'RUIN' is coded as '3098' and 'TURN' is coded as '9630'. How is 'I' coded in the given language?

- Ans**
- 1. 8
 - 2. 6
 - 3. 3
 - 4. 9

Q.25 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

Some lions are panthers.

No panther is a tiger.

Some lions are cats.

Conclusions:

I. No tiger is a cat.

II. Some lions are tiger.

III. No cat is a panther.

- Ans**
- 1. Only conclusion I follow.
 - 2. Neither conclusions I, II nor III follows.
 - 3. Both conclusions I and II follow.
 - 4. Both conclusions II and III follow.

Q.1 If θ be acute angle and $\cos \theta = \frac{24}{25}$, then the value of $\cot(90 - \theta)$ is equal to:

- Ans**
- 1. $\frac{6}{25}$
 - 2. $\frac{7}{24}$
 - 3. $\frac{7}{25}$
 - 4. $\frac{5}{24}$

Q.2 R gives $\frac{3}{8}$ of the toffees he has with him to S. If now R has k% of the toffees with S, then find the value of k.

- Ans
- 1. $\frac{500}{3}$
 - 2. $\frac{200}{3}$
 - 3. 140
 - 4. 200

Q.3 In an assembly election, a candidate got 60% of the total valid votes. 3% of the total votes were declared invalid. If the total number of voters is 2,40,000, then find the number of valid votes polled in favour of the candidate.

- Ans
- 1. 193680
 - 2. 139860
 - 3. 139680
 - 4. 139608

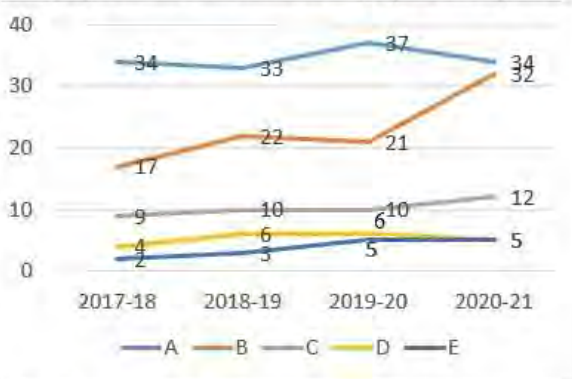
Q.4 The mean proportion of 0.14 and 2.24 is:

- Ans
- 1. 0.56
 - 2. -2.39
 - 3. 1.12
 - 4. 1.02

Q.5 A quantity $\frac{4}{5}$ is changed to $\frac{5}{6}$. How much percentage change is given to the quantity?

- Ans
- 1. 4.17%
 - 2. 4.71%
 - 3. 4.73%
 - 4. 4.37%

Q.6 Study the given graph and answer the question that follows.
The graph shows the number of projects completed by five companies



Which company has the highest growth in percentage in completed projects from 2017-18 to 2020-21?

- Ans**
- 1. C
 - 2. D
 - 3. A
 - 4. B

Q.7 A retailer gets a discount of 40% on the printed price of an article. If the retailer sells it at the printed price, then his gain percentage is:

- Ans**
- 1. $33\frac{1}{3}\%$
 - 2. $37\frac{2}{3}\%$
 - 3. $66\frac{1}{3}\%$
 - 4. $66\frac{2}{3}\%$

Q.8 Two parallel chords are drawn in a circle of radius 25 cm. The distance between the two chords is 27 cm. If the length of one chord is 48 cm, then length of the other chord is equal to:

- Ans**
- 1. 42 cm
 - 2. 48 cm
 - 3. 30 cm
 - 4. 36 cm

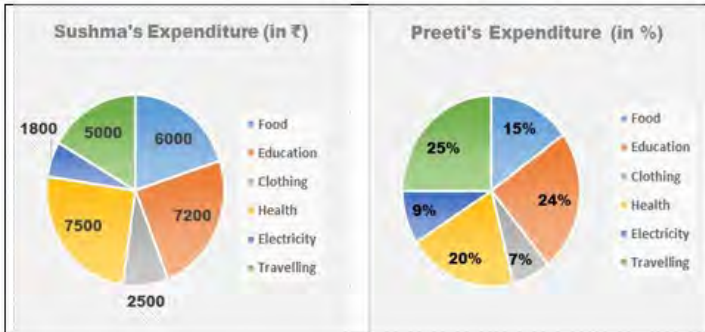
Q.9 In a triangle ABC, BD is perpendicular to AC. E is a point on BC such that angle BEA = x° . If angle EAC = 38° and angle EBD = 40° , then the value of x is:

- Ans**
- 1. 88
 - 2. 82
 - 3. 48
 - 4. 96

Q.10 The perpendicular length from the origin to the line $6x + 8y - 48 = 0$ is:

- Ans 1. 4.8 unit
 2. 2.6 unit
 3. 8.3 unit
 4. 5.2 unit

Q.11 Following Pie chart presents monthly expenditure by Sushma and Preeti in different heads. Sushma and Preeti make equal expenditure every month.



What is the difference between the central angle corresponding to the expenditure incurred on Health by Sushma and Preeti?

- Ans 1. 112°
 2. 12°
 3. 102°
 4. 18°

Q.12 Evaluate the given expression.

$$\left[7 + 9 - 2 \left\{ \left(3 \div \frac{1}{3} \right) - 3 \right\} + 27 \div 3 + (27 \div 9 + 3) - 6 \right] + 2$$

- Ans 1. 15
 2. 20
 3. 22
 4. 19

Q.13 The following table represents the number of computers (in thousands) manufactured by four companies during the period from 2010 to 2014:

Years	A	B	C	D
2010	240	120	270	280
2011	300	530	490	650
2012	1250	650	430	710
2013	470	320	1180	890
2014	320	1070	550	480

What is the difference (in thousands) between the number of computers manufactured by company A and C during the period from 2010 to 2014?

- Ans**
- 1. 340
 - 2. 320
 - 3. 230
 - 4. 430

Q.14 If the angle of the sector with radius 7 cm is 120° then find the length of the sector (in cm). (Use $\pi = \frac{22}{7}$)

- Ans**
- 1. $\frac{67}{3}$
 - 2. $\frac{22}{3}$
 - 3. $\frac{47}{3}$
 - 4. $\frac{44}{3}$

Q.15 A motorcyclist rides his motorcycle at a speed of 90 km/hr in the first one hour and the next two hours at a speed of 120 km/hr. Find the average speed of the rider.

- Ans**
- 1. 115 km/hr
 - 2. 120 km/hr
 - 3. 105 km/hr
 - 4. 110 km/hr

Q.16 If the ratio of principal and simple interest for 5 years is 10 : 7, then the rate of interest per annum is:

- Ans**
- 1. 10%
 - 2. 11%
 - 3. 15%
 - 4. 14%

Q.17 Find the percentage increase in surface area of a cube by triple each side.

- Ans**
- 1. 700%
 - 2. 800%
 - 3. 650%
 - 4. 500%

Q.18 If the length, breadth and total surface area of a cuboid are 30 cm, 20 cm and 2600 cm², respectively, then find its height.

- Ans 1. 50 cm
 2. 30 cm
 3. 14 cm
 4. 15 cm

Q.19 After the division of a number successively by 2,3 and 5, the remainders are 1,2 and 3, respectively. What will be the remainder, if 13 divides the same number (if the last quotient is 1)?

- Ans 1. 2
 2. 0
 3. 3
 4. 1

Q.20 A work can be done by a man and a woman in 12 days and 8 days, respectively. In how many days will the work be done by 6 men and 4 women?

- Ans 1. 2
 2. $\frac{3}{4}$
 3. 1
 4. $\frac{1}{2}$

Q.21 A mobile phone dealer buys a phone for ₹10,000 and sells it for ₹12,000. Later, he realizes that he could have sold it for ₹13,000. What is the percentage loss that he incurs?

- Ans 1. 10%
 2. 20%
 3. 15%
 4. 25%

Q.22 A train 550 metres long is running at a speed of 78 km/h. How many seconds will it take to cross a 350 metres long train running in the opposite direction at a speed of 30 km/h?

- Ans 1. 50 seconds
 2. 20 seconds
 3. 40 seconds
 4. 30 seconds

Q.23 What is the area (in cm²) of an equilateral triangle whose perimeter is 24 cm?
 Note: Round off to the nearest two decimal places.

- Ans 1. 27.71
 2. 13.86
 3. 28.14
 4. 27.14

- Q.24** Study the given table and answer that question that follows.
The given table shows the loan disbursed by five banks (in crores) over four years.

Banks	2016	2017	2018	2019
A	15	20	10	12
B	15	20	15	20
C	20	25	15	20
D	15	20	35	10
E	10	20	25	30

Which two banks have disbursed the same sum of loan over all four years?

- Ans** 1. A and B
 2. C and D
 3. B and C
 4. B and D

- Q.25** If three spheres of radius 75 cm, 60 cm and 45 cm are melted into one big sphere, then the radius of the big sphere is:

- Ans** 1. 95 cm
 2. 85 cm
 3. 80 cm
 4. 90 cm

- Q.1** Which of the following Articles in the Constitution of India provides protection to President and Governors and Rajpramukhs?

- Ans** 1. Article 352
 2. Article 356
 3. Article 361
 4. Article 370

- Q.2** From which of the following Constitutions has the India Constitution adopted the system of 'First Past the Post'?

- Ans** 1. Irish Constitution
 2. French Constitution
 3. United States Constitution
 4. British Constitution

- Q.3** The district of Shivamogga that is famous for its Iron-Ore and Manganese mineral is located in which state of India?

- Ans** 1. Karnataka
 2. Jharkhand
 3. Maharashtra
 4. Rajasthan

Q.4 The Ayush Ministry has collaborated with the UK's London School of Hygiene and Tropical Medicine (LSHTM) to conduct a study on _____ for promoting recovery from COVID-19.

- Ans**
- 1. Boswellia
 - 2. Brahmi
 - 3. Gotu Kola
 - 4. Ashwagandha

Q.5 Which was the first dynasty of the Delhi Sultanate?

- Ans**
- 1. Mamluk dynasty
 - 2. Tughlaq dynasty
 - 3. Khilji dynasty
 - 4. Lodi dynasty

Q.6 During 2015, in _____ sector, Government of India had allowed about 49% of FDI.

- Ans**
- 1. defence
 - 2. education
 - 3. manufacture of medical devices
 - 4. food products

Q.7 Which city hosted the Asian Champions Trophy hockey tournament in 2023?

- Ans**
- 1. Chennai
 - 2. Surat
 - 3. Ahmedabad
 - 4. Delhi

Q.8 As on 31 March 2024, apart from the Ministry of Home Affairs, which of the following ministries is headed by Shri Amit Shah?

- Ans**
- 1. Ministry of Coal
 - 2. Ministry of Cooperation
 - 3. Ministry of Minority Affairs
 - 4. Ministry of Corporate Affairs

Q.9 Which of the following exchange rates is determined by the market forces of demand and supply?

- Ans**
- 1. Soft pegged exchange rate
 - 2. Floating exchange rate
 - 3. Hard pegged exchange rate
 - 4. Fixed exchange rate

Q.10 The Central Office of the Reserve Bank of India was initially established in which present city in 1935?

- Ans**
- 1. Mumbai
 - 2. Chennai
 - 3. Delhi
 - 4. Kolkata

Q.11 Which of the following reactions leads to the formation of glucose pentaacetate from acetic anhydride?

- Ans 1. Acetylation of glucose
 2. Reduction
 3. Addition of ketone
 4. Oxidation

Q.12 Sangeeta Shankar was awarded Sangeet Natak Akademi Award 2021 for her contribution in playing which musical instrument?

- Ans 1. Violin
 2. Santoor
 3. Veena
 4. Flute

Q.13 As per the Census of India-2011, the density of population per km² was _____ persons.

- Ans 1. 382
 2. 394
 3. 345
 4. 320

Q.14 Of which of the following states/UTs is Rauf a folk dance?

- Ans 1. Karnataka
 2. Kerala
 3. Lakshadweep
 4. Jammu and Kashmir

Q.15 'Ujjwala', a _____, was the official mascot of Khelo India – Para Games 2023.

- Ans 1. goose
 2. sparrow
 3. duck
 4. hen

Q.16 Which device is used to measure the current flow using needle deflection caused by a magnetic field force acting upon a current-carrying wire?

- Ans 1. Galvanometer
 2. Ammeter
 3. Psophometer
 4. Potentiometer

Q.17 Community tradition is related to which of the following music streams?

- Ans 1. Hindustani Classical Music
 2. Karnataka Classical Music
 3. Hindustani Lokgeet
 4. Karnataka Lokgeet

Q.18 When was air transport nationalised in India?

- Ans
- 1. 1950
 - 2. 1952
 - 3. 1951
 - 4. 1953

Q.19 Former Karnataka CM _____ received the Padma Vibhushan at Rashtrapati Bhavan in New Delhi for his contribution in the field of Public Affairs in 2023.

- Ans
- 1. D Devaraj Urs
 - 2. SM Krishna
 - 3. HD Deve Gowda
 - 4. S Nijalingappa

Q.20 Which view in MS PowerPoint is useful for editing or formatting a single slide at a time?

- Ans
- 1. Normal view
 - 2. Reading view
 - 3. Outline view
 - 4. Slide Sorter view

Q.21 Which of the following represents the Two-Factor Authentication (2FA)?

- Ans
- 1. The use of two different credentials to verify identity
 - 2. A tool for optimising system resources
 - 3. A security measure to prevent physical damage to a PC
 - 4. A technique for organising files and folders on a PC

Q.22 In kabaddi, when a raider touches any body part of any defender or any part of their clothing, it is called:

- Ans
- 1. catch
 - 2. tag
 - 3. raid
 - 4. pursuit

Q.23 Which of the following is one of the largest spiral galaxies?

- Ans
- 1. NGC 6872
 - 2. Milky Way
 - 3. Cygnus A
 - 4. Maffei 1

Q.24 According to the Census of India-2011, which state has the lowest sex ratio?

- Ans
- 1. Rajasthan
 - 2. Bihar
 - 3. Haryana
 - 4. Maharashtra

Q.25 With which of the following communities is the word 'Langar' (community kitchen) mainly associated?

- Ans
- 1. Sikhism
 - 2. Hinduism
 - 3. Jainism
 - 4. Buddhism

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Jalalpur
Exam Date	05/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into four segments. Identify the segment in which the article has been used INCORRECTLY.

Ms. Rose is a / sweetest of / all the girls / in the class.

- Ans
- 1. in the class.
 - 2. all the girls
 - 3. sweetest of
 - 4. Ms. Rose is a

Q.2 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

The shop / usually opened / ten minutes / late.

- Ans
- 1. The shop
 - 2. ten minutes
 - 3. usually opened
 - 4. late.

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I am going / to buy a red car / with a leather seats / and a sunroof.

- Ans
- 1. I am going
 - 2. to buy a red car
 - 3. and a sunroof
 - 4. with a leather seats

Q.4 Select the most appropriate option to fill in the blank.

He _____ the truth.

- Ans
- 1. speaking
 - 2. spoken
 - 3. spoke
 - 4. speak

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Today, lets explore the significant role of human beings in shaping the world as we know it. Can you 1. _____ a world without human beings? Who would have 2. _____ the resources and created social and cultural environment? The people are 3. _____ to develop the economy and the society. The people make and use resources and are themselves resources with 4. _____ quality. Coal is but a piece of rock, until people were able to 5. _____ technology to obtain it and make it a 'resource'.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. ignore
 2. neglect
 3. fabricate
 4. imagine

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Today, lets explore the significant role of human beings in shaping the world as we know it. Can you 1. _____ a world without human beings? Who would have 2. _____ the resources and created social and cultural environment? The people are 3. _____ to develop the economy and the society. The people make and use resources and are themselves resources with 4. _____ quality. Coal is but a piece of rock, until people were able to 5. _____ technology to obtain it and make it a 'resource'.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. crippled
 2. utilised
 3. broken
 4. destroyed

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Today, lets explore the significant role of human beings in shaping the world as we know it. Can you 1. _____ a world without human beings? Who would have 2. _____ the resources and created social and cultural environment? The people are 3. _____ to develop the economy and the society. The people make and use resources and are themselves resources with 4. _____ quality. Coal is but a piece of rock, until people were able to 5. _____ technology to obtain it and make it a 'resource'.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. frantic
 2. hopeful
 3. crucial
 4. hasty

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Today, lets explore the significant role of human beings in shaping the world as we know it. Can you 1. _____ a world without human beings? Who would have 2. _____ the resources and created social and cultural environment? The people are 3. _____ to develop the economy and the society. The people make and use resources and are themselves resources with 4. _____ quality. Coal is but a piece of rock, until people were able to 5. _____ technology to obtain it and make it a 'resource'.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. varying
 2. inconstant
 3. deviating
 4. alternating

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Today, lets explore the significant role of human beings in shaping the world as we know it. Can you 1. _____ a world without human beings? Who would have 2. _____ the resources and created social and cultural environment? The people are 3. _____ to develop the economy and the society. The people make and use resources and are themselves resources with 4. _____ quality. Coal is but a piece of rock, until people were able to 5. _____ technology to obtain it and make it a 'resource'.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. invent
 2. fashion
 3. open
 4. mint

Q.10 Select the most appropriate option to substitute the underlined segment in the following sentence.

There was a noise that was wake me up.

- Ans 1. woken me up
 2. wakes me up
 3. woke me up
 4. has woke me up

Q.11 Select the most appropriate meaning of the underlined idiom in the given sentence.
 When I got an opportunity to start a new business, Ravikanth queered my pitch.

- Ans 1. Ruined my plan
 2. Advised me
 3. Helped me by standing beside me
 4. Supported me with money

Q.12 Select the most appropriate synonym of the given word.
 Change

- Ans 1. Alter
 2. Adjust
 3. Resolute
 4. Renew

Q.13 Select the most appropriate ANTONYM of the given word.

Lazy

- Ans 1. Diligent
 2. Genuine
 3. Helpful
 4. Barren

Q.14 Select the most appropriate meaning of the given idiom.

Spill the beans

- Ans 1. The act of loving beans
 2. To help someone extraordinarily
 3. To leak a secret
 4. Cook the beans carefully

Q.15 Select the most appropriate option to fill in the blank.

The grass on my lawn is glistening with the morning_____.

- Ans 1. dew
 2. do
 3. duo
 4. due

Q.16 Select the most appropriate ANTONYM of the word 'Plausible' from the given sentence.

The trend of improvement is unlikely to continue for the foreseeable future.

- Ans 1. unlikely
 2. future
 3. foreseeable
 4. trend

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Vihaan is clumsy at dancing.

- Ans 1. easy handed
 2. master skill
 3. heavy duty
 4. all thumbs

Q.18 Identify the correct spelling of the underlined word.

The police issued a varant to the criminals.

- Ans 1. Warent
 2. Varrant
 3. Warrant
 4. Warant

Q.19 Read the sentence carefully and select the most appropriate option to substitute the underlined part.

The crux of the study has been delineated by the researcher.

- Ans 1. fixed limitation
 2. central point
 3. collected data
 4. relevant part

Q.20 Identify the most appropriate ANTONYM of the underlined word in the given sentence.
His joyial nature has won him many friends.

- Ans 1. Miserable
 2. Dumb
 3. Shrewd
 4. Cunning

Q.21 Select the most appropriate ANTONYM of the given word.

Absurd

- Ans 1. Insane
 2. Nonsensical
 3. Foolish
 4. Reasonable

Q.22 Select the most appropriate option that can substitute the underlined segment in the following sentence.

Play cards is not allowed here

- Ans 1. Playing card
 2. Playing cards
 3. Played cards
 4. Play card

Q.23 Select the INCORRECTLY spelt word.

- Ans 1. Scatered
 2. Brazen
 3. Crowded
 4. Imprudent

Q.24 Select the option to fill in the blank with the most appropriate collocation.
In boarding schools, students need to _____ by themselves.

- Ans 1. turn the bed
 2. make the bed
 3. wash the bed
 4. run the bed

Q.25 Identify the most appropriate meaning of the given word.

Accept

- Ans** 1. Agree
 2. Refuse
 3. Regret
 4. Present

Q.1 What should come in place of ? in the given series based on the English alphabetical order?

EMU GQA IUG KYM ?

- Ans** 1. VLB
 2. MCS
 3. UKA
 4. MWD

Q.2 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

321 A 3 C 11 B 10 D 19 = ?

- Ans** 1. 178
 2. 198
 3. 188
 4. 168

Q.3 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some movies are videos.

No video is audio.

All audios are songs.

Conclusions:

(I) All movies can never be audios.

(II) No video is a song.

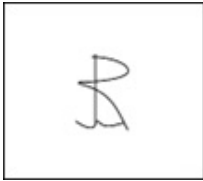
- Ans** 1. Only conclusion II follows
 2. None of the conclusions follow
 3. Both conclusions I and II follow
 4. Only conclusion I follows

Q.4 Select the option in which the given figure is embedded (rotation is not allowed).

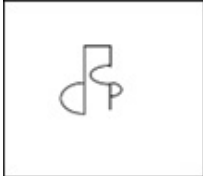


Ans

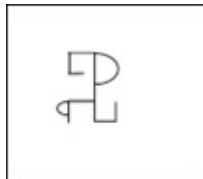
1.



2.



3.



4.



Q.5 CKMZ is related to VDFS in a certain way based on the English alphabetical order. In the same way, LPBV is related to EIUO. To which of the following is UXBN related, following the same logic?

Ans

1. NQGU

2. NGUQ

3. NGQU

4. NQUG

Q.6 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$32 \times 8 \div 4 - 6 + 15 = ?$$

Ans

1. 5

2. 15

3. 13

4. 7

Q.7 In a certain code language, 'sanitiser saves us' is written as 'ra kl mq' and 'let us go' is written as 'kl mt ax'. How is 'us' written in the given language?

Ans

1. ra

2. mt

3. kl

4. mq

Q.8 What should come in place of ? in the given series?

251, 268, 285, 302, 319 ?

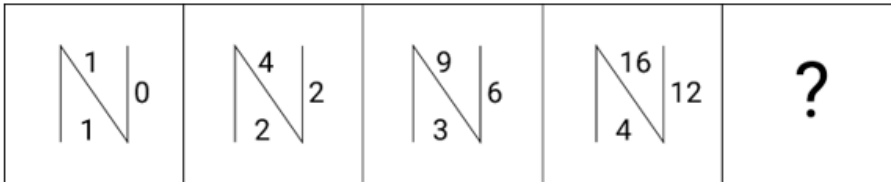
Ans 1. 315

2. 336

3. 306

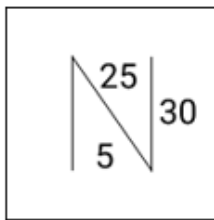
4. 326

Q.9 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

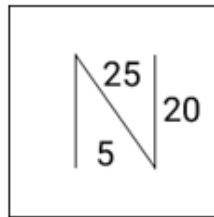


Ans

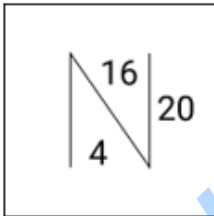
1.



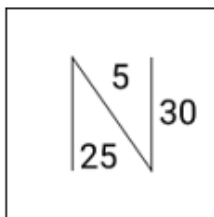
2.



3.

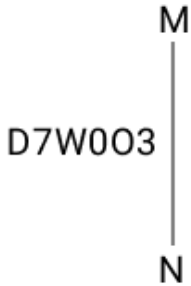


4.



KD JOB UPDATES

Q.10 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. DΔM003
 - 2. Ǝ00WƎD
 - 3. D7W003
 - 4. Ǝ00MΔD

Q.11 What will be the day on 31 December 2006 if 1 January 2006 is a Wednesday?

- Ans
- 1. Wednesday
 - 2. Thursday
 - 3. Monday
 - 4. Friday

Q.12 In a certain code language,
 'A + B' means 'A is the mother of B',
 'A × B' means 'A is the husband of B',
 'A ÷ B' means 'A is the daughter of B'.
 Based on the above, how is Q related to T if 'P ÷ Q ÷ R × S + T'?

- Ans
- 1. Daughter
 - 2. Sister
 - 3. Mother
 - 4. Father's sister

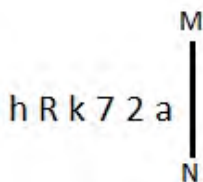
Q.13 Which of the following numbers will replace the question mark (?) in the given series?
 876 865 832 733 ?

- Ans
- 1. 426
 - 2. 446
 - 3. 436
 - 4. 453

Q.14 Which letter-cluster will replace the question mark (?) to complete the given series?
 GLYC, FNVG, ?, DRPO, CTMS

- Ans
- 1. EQRK
 - 2. EPSK
 - 3. EQSJ
 - 4. EPRJ

Q.15 Select the correct mirror image of the given figure when the mirror is placed at MN.



- Ans
- 1. h R k 7 2 a
 - 2. a 2 7 k R h
 - 3. h R k 7 2 a
 - 4. h R k 7 2 a

Q.16 What will come in the place of the question mark (?) in the following equation if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$39 \div 6 - 3 \times 9 + 4 = ?$$

- Ans
- 1. 83
 - 2. 81
 - 3. 56
 - 4. 73

Q.17 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 16, 32)

(6, 36, 72)

- Ans
- 1. (9, 81, 164)
 - 2. (9, 27, 162)
 - 3. (9, 81, 162)
 - 4. (9, 81, 160)

Q.18 How many triangles are there in the given figure?

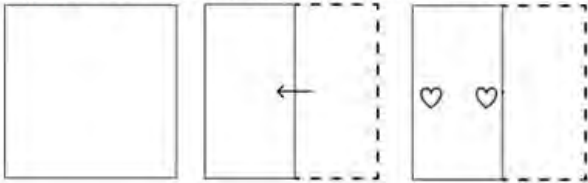


- Ans
- 1. 16
 - 2. 17
 - 3. 18
 - 4. 15

Q.19 S % T = S is the father of T.
 X - W = X is the mother of W.
 U * V = U is the sister of V.
 Z + Y = Z is the husband of Y.
 If A + J - B * V % G, find the relation between A and G.

- Ans
- 1. Maternal grandfather
 - 2. Father
 - 3. Mother
 - 4. Paternal grandfather

Q.20 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

- 1.
- 2.
- 3.
- 4.

Q.21 BHJL is related to FLNP in a certain way based on the English alphabetical order. In the same way, HNPR is related to LRTV. To which of the following is JPRT related, following the same logic?

- Ans
- 1. NTYX
 - 2. NTVX
 - 3. NUVX
 - 4. NUWX

Q.22 In a certain code language, 'WILT' is coded as '6194' and 'SLIT' is coded as '9413'.
What is the code for 'S' in the given code language?

- Ans
- 1. 1
 - 2. 9
 - 3. 4
 - 4. 3

Q.23 84 is related to 21 following a certain logic. Following the same logic, 180 is related to 45. To which of the following is 252 related following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 67
 - 2. 65
 - 3. 63
 - 4. 61

KD JOB UPDATES

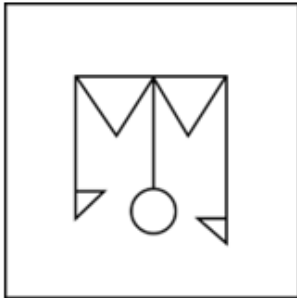
Q.24 Select the option in which the given figure X is embedded (rotation is NOT allowed).



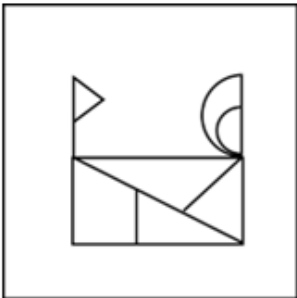
(X)

Ans

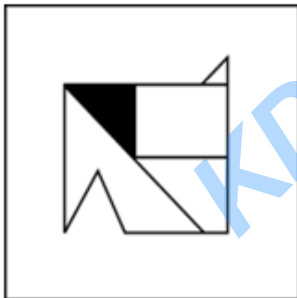
1.



2.



3.



4.



Q.25 The position of how many letters will remain unchanged if all the letters in the word HARMONY are arranged in alphabetical order?

- Ans 1. Three
 2. One
 3. Four
 4. Two

Q.1 Find the fourth proportion to 1.25, 5.75 and 3.5.

- Ans 1. 4.5
 2. 16.1
 3. 12.5
 4. 6.5

Q.2 The difference (in ₹) between a discount of 37% on ₹2,635 and two successive discounts of 23% and 7% on the same amount is (rounded off to 2 decimal places):

- Ans 1. 226.87
 2. 248.36
 3. 242.25
 4. 235.65

Q.3 Two similar triangles have area 490 sq. cm. and 640 sq. cm. If the length of the one side of the first triangle is 21 cm, then what is the length of the corresponding side of the second triangle?

- Ans 1. 16 cm
 2. 14 cm
 3. 24 cm
 4. 21 cm

Q.4 The diameter of a roller is 35 cm and its length is 100 cm. It takes 200 complete revolutions to level a playground. Find the area of the playground in m^2

- Ans 1. 220
 2. 2,20,00,000
 3. 1,10,000
 4. 110

Q.5 Find the amount to be paid at the end if ₹4,500 is invested for a period of 4 years at the rate of 8% simple interest per annum.

- Ans 1. ₹6,080
 2. ₹5,940
 3. ₹6,300
 4. ₹5,490

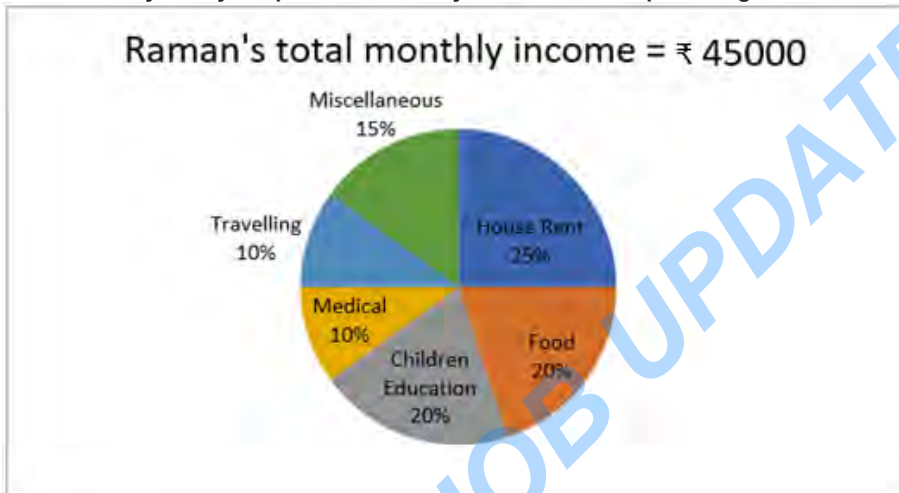
Q.6 How many factors of 14,400 are divisible by 18 but not by 36?

- Ans 1. 3
 2. 5
 3. 4
 4. 2

Q.7 The altitude of an equilateral triangle is $3\sqrt{3}$ cm. Find its area.

- Ans 1. 9 sq cm
 2. $9\sqrt{3}$ sq cm
 3. 27 sq cm
 4. $3\sqrt{3}$ sq cm

Q.8 The following pie chart represents the percentage domestic expenditure of Raman over his family. Study the pie chart carefully and answer the question given below.



After paying the House Rent and expending over Food and Children's Education, what is Raman's remaining monthly income (in ₹)?

- Ans 1. 20,250
 2. 29,250
 3. 12,750
 4. 15,750

Q.9 Let ABC be a right-angled triangle such that $\angle C = 90^\circ$. Let D be a point on AB such that CD is perpendicular to AB. If AC = 5 cm and BC = 12 cm, find the length of CD (in cm).

- Ans 1. $\frac{40}{23}$
 2. $\frac{50}{23}$
 3. $\frac{40}{13}$
 4. $\frac{60}{13}$

Q.10 A shopkeeper cheats 25% in weight while buying rice and cheats 25% while selling it. If he sells the rice at 12½% profit, then find his net profit percentage.

- Ans**
- 1. 92.5%
 - 2. 82.5%
 - 3. 87.5%
 - 4. 62.5%

Q.11 X and Y can do a job in 18 days; Y and Z can do the same in 24 days. If all the three can finish the job in 12 days, in how many days can X and Z can complete the job?

- Ans**
- 1. $14\frac{2}{5}$ days
 - 2. $12\frac{3}{5}$ days
 - 3. 7 days
 - 4. 5 days

Q.12 A person divides his total route of journey into three equal parts and decides to travel the three parts at the speeds of 80 km/h, 60 km/h and 30 km/h, respectively. What is the average speed during the journey?

- Ans**
- 1. 49 km/h
 - 2. 40 km/h
 - 3. 45 km/h
 - 4. 48 km/h

Q.13 A person travels from one place to another at 60 km/hr and returns at 75 km/hr. If the total time taken is 6 hours, then find the total distance travelled.

- Ans**
- 1. 250 km
 - 2. 240km
 - 3. 400 km
 - 4. 300km

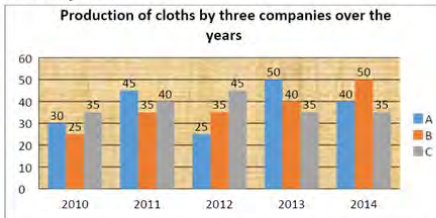
Q.14 In ΔABC , O is the point of intersection of the bisectors of angle B and angle A. If the angle $BOC = 108^\circ$, then angle BAO is:

- Ans**
- 1. 18°
 - 2. 26°
 - 3. 22°
 - 4. 16°

Q.15 Let ABC be a triangle such that $\angle ABC = 70^\circ$ and $\angle ACB = 50^\circ$. Let O be the incentre of the triangle. Find $\angle BOC$.

- Ans 1. 120°
 2. 130°
 3. 100°
 4. 60°

Q.16 The following graph shows the data of the production of cloths (in lakh tonnes) by three different companies A, B and C over the years.



What is the ratio of the average production of Company A in the period 2012-2014 to the average production of Company B in the same period?

- Ans 1. 5 : 3
 2. 3 : 5
 3. 25 : 23
 4. 23 : 25

Q.17 K being any odd number greater than 1, $k^{33} - k$ is always divisible by:

- Ans 1. 5
 2. 13
 3. 24
 4. 15

Q.18 The price of a motorcycle was \$750 last year. The price increased by 20% this year. What is the price of the motorcycle this year?

- Ans 1. \$600
 2. \$790
 3. \$750
 4. \$900

Q.19 The number of subjects in which the students of a class have failed is given in the following table.

No. of subjects in which students have failed	0	1	2	3	4	5
No. of students	10	18	5	6	7	4

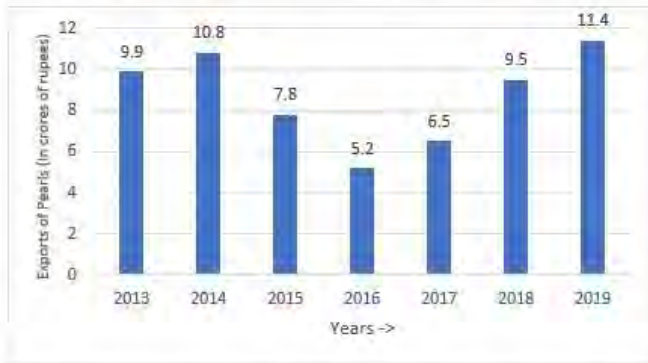
Find the total number of students who have failed in more than 3 subjects.

- Ans 1. 10
 2. 17
 3. 11
 4. 12

Q.20 If the graph of the equation $20x + 21y = 420$ cuts the coordinate axes at P and Q, then what is the measure of the length (in units) of PQ?

- Ans 1. 29
 2. 35
 3. 25
 4. 40

Q.21 Study the given bar-graph carefully and answer the question that follows.



For how many years was the export above - average for the period, 2013-2019?

- Ans 1. 3
 2. 2
 3. 4
 4. 1

Q.22 A person spends 60% of his salary on family expenses, 10% on medical expenses, 5% on charity, and saves the remaining amount. If the amount on savings is ₹4,000, find his monthly salary.

- Ans 1. ₹12,000
 2. ₹15,000
 3. ₹14,000
 4. ₹16,000

Q.23 एक चुनाव म, मतदाताओं के पास तीन उी दवारों में से एक उी दवार को वोट देने का विक□ है। उनके पास सभी उी दवारों को उी कार करने के लिए 'उपरो□ में से कोई नहीं' (None OfThe Above - NOTA) के चयन का भी विक□ है। तीनों उी दवारों को नोटा (NOTA) के 6 गुना वोट मिलते हैं। विजेता को दूसरे उपविजेता के वोटों के दोगुने वोट मिलते हैं। पहले उपविजेता को नोटा (NOTA) से 900 वोट अधिक मिलते हैं और वह दूसरे उपविजेता को 150 वोट से हरा देता है। डाले गए मतों की कुल संा त करें।

- Ans 1. 15177
 2. 11577
 3. 11025
 4. 17715

Q.24
$$\left[\frac{\operatorname{cosec} 31^\circ - \sec 59^\circ}{(\sin 18^\circ + \cos 72^\circ)} \times \frac{\tan 26^\circ}{\cot 64^\circ} \right] + \left[\frac{\tan 30^\circ + \tan 15^\circ}{(1 - \tan 30^\circ \tan 15^\circ)} \right] = \underline{\hspace{2cm}}$$

- Ans 1. -1
 2. 0
 3. 1
 4. 2

Q.25 The whole surface area of a cube is 294 cm^2 . The volume of the cube is:

- Ans
- 1. 243 cm^3
 - 2. 343 cm^3
 - 3. 216 cm^3
 - 4. 512 cm^3

Q.1 Terah taali dance belongs to which of the following states?

- Ans
- 1. Kerala
 - 2. Uttar Pradesh
 - 3. Rajasthan
 - 4. Uttarakhand

Q.2 Pusarla Venkata Sindhu won silver medal in badminton in which Olympics Games?

- Ans
- 1. Beijing 2008
 - 2. Rio 2016
 - 3. Tokyo 2020
 - 4. London 2012

Q.3 As of January 2023, who among the following is the chief minister of Puducherry?

- Ans
- 1. Shri N Rangaswamy
 - 2. Shri V Narayanasamy
 - 3. Shri P Shanmugam
 - 4. Shri V Vaithilingam

Q.4 In which year did the Indian Constitution declare Hindi in Devanagari script to be the official language of the Union?

- Ans
- 1. 1952
 - 2. 1951
 - 3. 1949
 - 4. 1955

Q.5 What is the standard size of basketball for men?

- Ans
- 1. 05
 - 2. 08
 - 3. 07
 - 4. 06

Q.6 In Gujarat, the festival Makar Sankranti is celebrated as:

- Ans
- 1. Dakshinayan
 - 2. Uttarayan
 - 3. Paschimayan
 - 4. Purbayan

Q.7 After being passed by both the Lok Sabha and Rajya Sabha, the Competition (Amendment) Bill, 2023 received the President's assent on _____ to become the Competition (Amendment) Act, 2023.

- Ans
- 1. 1 April 2023
 - 2. 21 April 2023
 - 3. 14 April 2023
 - 4. 11 April 2023

Q.8 What enables IoT devices to gather data and exchange it over the network?

- Ans
- 1. Biochip transponders
 - 2. Data encryption techniques
 - 3. Human interaction
 - 4. Actuators and sensors

Q.9 As per the Economic Survey of India 2022-23, unemployment rates fell from 5.8% in 2018-19 to _____ in 2020-21.

- Ans
- 1. 3.8%
 - 2. 4.2%
 - 3. 3.4%
 - 4. 4.7%

Q.10 Bails are used in which of the following games/sports?

- Ans
- 1. Badminton
 - 2. Cricket
 - 3. Hockey
 - 4. Football

Q.11 Which folk music is a mix of Indian and western music and is popular in Goa?

- Ans
- 1. Mando
 - 2. Pai songs
 - 3. Pawada
 - 4. Maand

Q.12 Who has written the patriotic song 'Sandese Aate Hai'?

- Ans
- 1. Irshad Kamil
 - 2. Javed Akhtar
 - 3. Gulzar
 - 4. Samir Anjan

Q.13 Which among the following Chola emperors defeated the Pandya king Maravarman Rajsimha II in the battle of Vellore?

- Ans
- 1. Parantaka I
 - 2. Rajendra I
 - 3. Rajaraja I
 - 4. Vijayalaya

Q.14 Match the items in List I with those in List II.

List I

- i. Blue revolution
- ii. Yellow revolution
- iii. Round revolution
- iv. Golden revolution

List II

- a. Oilseeds
- b. Overall horticulture
- c. Fish
- d. Potato

- Ans
- 1. i-b, ii-c, iii-d, iv-a
 - 2. i-d, ii-a, iii-b, iv-c
 - 3. i-c, ii-a, iii-d, iv-b
 - 4. i-b, ii-d, iii-a, iv-c

Q.15 A _____ is issued to prevent an inferior court or tribunal from exceeding its jurisdiction, which is not legally vested, or acting without jurisdiction or acting against the principles of natural justice.

- Ans
- 1. writ of quo-warranto
 - 2. writ of habeas corpus
 - 3. writ of prohibition
 - 4. writ of mandamus

Q.16 Where is the Narora Nuclear Power plant located?

- Ans
- 1. Tamil Nadu
 - 2. Uttar Pradesh
 - 3. Maharashtra
 - 4. Karnataka

Q.17 What is the wavelength range of visible light?

- Ans
- 1. 1 to 2 μm
 - 2. 0.7 to 0.9 μm
 - 3. 0.2 to 0.3 μm
 - 4. 0.4 to 0.7 μm

Q.18 The length of a day on _____ is approximately 16 hours.

- Ans
- 1. Venus
 - 2. Mercury
 - 3. Mars
 - 4. Neptune

Q.19 The reaction of an acid and a metal gives:

- Ans
- 1. hydrogen gas and salt
 - 2. carbon dioxide, salt and water
 - 3. salt and water
 - 4. carbon dioxide, salt and hydrogen gas

Q.20 Sardar Vallabhbhai Patel, who was the first Home Minister of India, is known by which sobriquet?

- Ans
- 1. Father of Indian Unrest
 - 2. Iron man of India
 - 3. Grand old man of India
 - 4. Morning star of Indian Renaissance

Q.21 As of 01 January 2023, who is the chairman of UPSC?

- Ans
- 1. Dr. TCA Anant
 - 2. Shri Rajeev Nayan Choubey
 - 3. Dr. Manoj Soni
 - 4. Mrs. Preeti Sudan

Q.22 The 'Western disturbances' originates from the _____.

- Ans
- 1. East China Sea
 - 2. Arabian Sea
 - 3. Mediterranean Sea
 - 4. Red Sea

Q.23 Which of the following extensions is used to save MS-PowerPoint applications?

- Ans
- 1. .doc
 - 2. .docx
 - 3. .txt
 - 4. .ppt

Q.24 In India, statutory liquidity ratio is fixed by _____.

- Ans
- 1. India Brand Equity Foundation
 - 2. State government
 - 3. Commercial banks
 - 4. Reserve Bank of India

Q.25 Which committee is related to fundamental duties?

- Ans
- 1. Rajmanner Committee
 - 2. LM Singhvi Committee
 - 3. Verma Committee
 - 4. Vasantnao Naik Committee

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ 2 Sector 62
Exam Date	08/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into three segments. One of them may contain an adverbial usage error. Select the option that has the segment with the error. If you don't find any error, select 'No error' as your answer.
Mrs. Arunima / speaks / Telugu well.

- Ans
- 1. Telugu well.
 - 2. speaks
 - 3. No error
 - 4. Mrs. Arunima

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.
According to the encyclopaedia, a oasis is an area which is made fertile by a source of freshwater.

- Ans
- 1. a oasis is an area
 - 2. a source of freshwater.
 - 3. According to the encyclopaedia,
 - 4. which is made fertile by

Q.3 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Sarita speaks French best.

- Ans
- 1. well
 - 2. good
 - 3. worst
 - 4. better

Q.4 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.
He have / workers from / Ireland and France / in his factory.

- Ans
- 1. He have
 - 2. Ireland and France
 - 3. workers from
 - 4. in his factory.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Family plays a vital role in our lives, serving as a source of love, support, and stability. It is (1)_____ the family unit that we develop lasting bonds, learn essential values, and find comfort during (2)_____ times. Families provide a nurturing environment for personal growth and emotional well-being. They (3)_____ guidance, share experiences, and create cherished memories. The strength and (4)_____ of a family contribute to individual happiness, societal harmony, and the (5)_____ of a strong community.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank 1.

- Ans 1. between
 2. among
 3. beyond
 4. within

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Family plays a vital role in our lives, serving as a source of love, support, and stability. It is (1)_____ the family unit that we develop lasting bonds, learn essential values, and find comfort during (2)_____ times. Families provide a nurturing environment for personal growth and emotional well-being. They (3)_____ guidance, share experiences, and create cherished memories. The strength and (4)_____ of a family contribute to individual happiness, societal harmony, and the (5)_____ of a strong community.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank 2.

- Ans 1. challenging
 2. joyful
 3. wasteful
 4. initial

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Family plays a vital role in our lives, serving as a source of love, support, and stability. It is (1)_____ the family unit that we develop lasting bonds, learn essential values, and find comfort during (2)_____ times. Families provide a nurturing environment for personal growth and emotional well-being. They (3)_____ guidance, share experiences, and create cherished memories. The strength and (4)_____ of a family contribute to individual happiness, societal harmony, and the (5)_____ of a strong community.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank 3.

- Ans 1. deliver
 2. propose
 3. offer
 4. contribute

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Family plays a vital role in our lives, serving as a source of love, support, and stability. It is (1)_____ the family unit that we develop lasting bonds, learn essential values, and find comfort during (2)_____ times. Families provide a nurturing environment for personal growth and emotional well-being. They (3)_____ guidance, share experiences, and create cherished memories. The strength and (4)_____ of a family contribute to individual happiness, societal harmony, and the (5)_____ of a strong community.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank 4.

- Ans 1. cohesion
 2. disruption
 3. intrusion
 4. commotion

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Family plays a vital role in our lives, serving as a source of love, support, and stability. It is (1)_____ the family unit that we develop lasting bonds, learn essential values, and find comfort during (2)_____ times. Families provide a nurturing environment for personal growth and emotional well-being. They (3)_____ guidance, share experiences, and create cherished memories. The strength and (4)_____ of a family contribute to individual happiness, societal harmony, and the (5)_____ of a strong community.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank 5.

- Ans 1. foundation
 2. collision
 3. undermining
 4. erosion

Q.10 Select the most appropriate option to fill in the blank.

After finishing all my pending assignments, I plan to _____ in Goa.

- Ans 1. forgive a debt
 2. go bankrupt
 3. take a holiday
 4. land a meal

Q.11 Select the most appropriate meaning of the given idiom.

Fish out of water

- Ans 1. To die soon
 2. Not good at swimming
 3. No knowledge of marine life
 4. To be out of place

Q.12 Select the INCORRECTLY spelt word.

- Ans 1. Intertwined
 2. Comendation
 3. Competition
 4. Reimbursement

Q.13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

We have carried out an successful raid on a fraudulent minister.

- Ans
- 1. successful raid
 - 2. these successful raid
 - 3. the successful raid
 - 4. a successful raid

Q.14 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement'.
Since my friend was not feeling well, she asked me to come over and take care of her.

- Ans
- 1. come through
 - 2. come into
 - 3. come across
 - 4. No improvement

Q.15 Identify the most appropriate ANTONYM of the underlined word based on the context of the sentence.

He gave a haughty consent without honouring him with a single word.

- Ans
- 1. Indifferent
 - 2. Proud
 - 3. Happy
 - 4. Modest

Q.16 Select the most appropriate ANTONYM of the given word.
Generous

- Ans
- 1. Clever
 - 2. Mean
 - 3. Needy
 - 4. Considerate

Q.17 Select the most appropriate synonym of the given word.
Injustice

- Ans
- 1. Complacency
 - 2. Demand
 - 3. Discrimination
 - 4. Equality

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Yoga may manage pain and helping reduce stress.

- Ans
- 1. help in reducing
 - 2. helped reduce
 - 3. help reduced
 - 4. help reduction for

Q.19 Select the most appropriate ANTONYM of the given word.
Forbidden

- Ans 1. Protected
 2. Prevented
 3. Banned
 4. Allowed

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.
I like played cricket after school.

- Ans 1. playing
 2. played
 3. play
 4. having to play

Q.21 Select the most appropriate synonym of the given word.
Erudite

- Ans 1. Honest
 2. Humble
 3. Strong
 4. Educated

Q.22 Select the most appropriate homophone to fill in the blank.
The hospital is _____ the river.

- Ans 1. bi
 2. buy
 3. bye
 4. by

Q.23 Select the most appropriate meaning of the given idiom.
Bells and whistles

- Ans 1. At a serious disadvantage
 2. To take on a difficult task
 3. An innovative development
 4. Attractive but unnecessary features added to products

Q.24 Select the most appropriate option to fill in the blank.

The _____ today will be cloudy and humid.

- Ans 1. whether
 2. wither
 3. waiter
 4. weather

Q.25 Select the INCORRECTLY spelt word from the given sentence.
They were good-hearted girls, unclean, clothed in rags and profiundly ignorant.

- Ans 1. Clothed
 2. Unclean
 3. Profiundly
 4. Hearted

Q.1 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$44 \div 78 + 6 - 3 \times 19 = ?$$

- Ans**
- 1. 74
 - 2. 64
 - 3. 78
 - 4. 68

Q.2 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$88 \text{ B } 3 \text{ D } 12 \text{ A } 4 \text{ C } 6 = ?$$

- Ans**
- 1. 268
 - 2. 267
 - 3. 264
 - 4. 265

Q.3 In a certain code language, 'call on him' is coded as 'ol ni vc' and 'awaiting your call' is coded as 'ni dx sb'. How is 'call' coded in that language?

- Ans**
- 1. vc
 - 2. ni
 - 3. sb
 - 4. dx

Q.4 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans**
- 1. IRIUNEC
 - 2. IRIUNEC
 - 3. IRIUNEC
 - 4. IRIUNEC

Q.5 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

No copper is silver.

All gold is copper.

All aluminium is gold.

Conclusions:

I. No aluminium is silver.

II. Some gold is silvers

III. All aluminium is copper.

Ans 1. Only conclusion II follows.

2. Only conclusion I follows.

3. Both conclusions I and III follow.

4. Both conclusions I and II follow.

Q.6 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
DFA, HJE, LNI, PRM, ?

Ans 1. TVO

2. TVQ

3. UVP

4. UWR

Q.7 In a certain code language, 'watch is disturb' is written as 'xr pa qm' and 'don't watch him' is written as 'tu bg pa'. How is 'watch' written in the given language?

Ans 1. bg

2. tu

3. pa

4. xr

Q.8 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
GEB, JHE, MKH, PNK, ?

Ans 1. NQS

2. SQN

3. SNQ

4. NSQ

Q.9 Choose the alternative which closely resembles the mirror image of the given combination.

C A R E O F



Ans 1. C A R E O F

2. F E O R A C

3. F O E R A C

4. F O E R A C

Q.10 In a certain code language,
 'A + B' means 'A is the mother of B',
 'A - B' means 'A is the daughter of B',
 'A × B' means 'A is the husband of B',
 'A ÷ B' means 'A is the sister of B'.
 Based on the above, how is M related to Q if 'M ÷ N - O × P + Q'?

- Ans**
- 1. Daughter
 - 2. Sister
 - 3. Father's sister
 - 4. Mother

Q.11 If 19 November 2003 is Wednesday, then what will be the day of the week on 25 March 2011?

- Ans**
- 1. Thursday
 - 2. Friday
 - 3. Tuesday
 - 4. Sunday

Q.12 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the end. How would the paper look when unfolded?



- Ans**
- 1.
 - 2.
 - 3.
 - 4.

Q.13 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(9, 21, 193)

(12, 15, 184)

Ans 1. (29, 6, 170)

2. (18, 8, 140)

3. (24, 8, 192)

4. (8, 17, 140)

Q.14 What will come in the place of '?' in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$18 \div 9 + 24 \times 3 - 16 = ?$$

Ans 1. 678

2. 980

3. 450

4. 170

Q.15 WVSO is related to XXUP in a certain way based on the English alphabetical order. In the same way, ONKG is related to PPMH. To which of the following is VURN related, following the same logic?

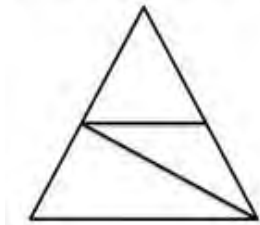
Ans 1. WWTO

2. XWSP

3. XXSP

4. XXTP

Q.16 How many triangles are there in the given figure?



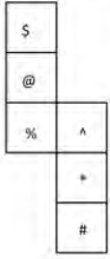
Ans 1. 5

2. 3

3. 4

4. 6

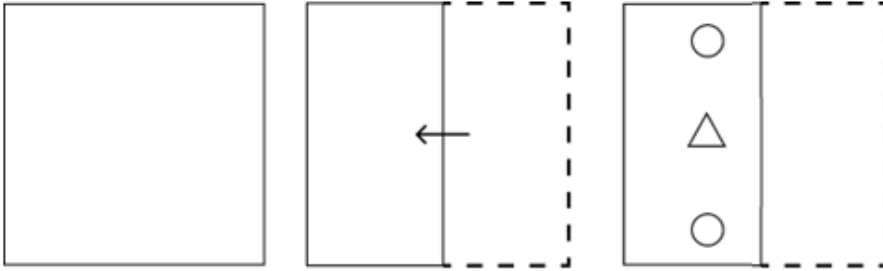
Q.17 What would be the symbol on the opposite side of '@' if the given sheet is folded to form a cube?



- Ans
- 1. #
 - 2. ^
 - 3. *
 - 4. %

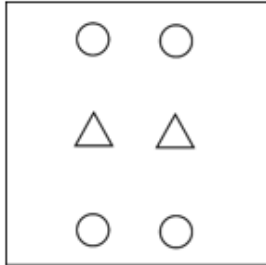
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Q.18 A paper is folded and cut as shown below. How will it appear when unfolded?

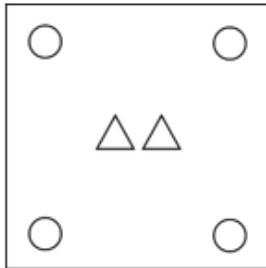


Ans

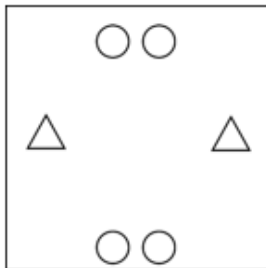
✓ 1.



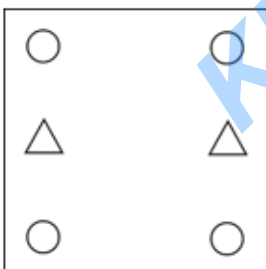
✗ 2.



✗ 3.



✗ 4.



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Q.19 Which figure should replace the question mark (?) if the following figure series were to be continued?

Q	S	B	T	=	Q	=	Q	S	F	T	=	
=			S		T		Q					?
T		B			F		S					

Ans

1.

T	=	F
		S
		Q

2.

T	=	Q
		F
		3

3.

=	S	Q
	F	
	T	

4.

Q	F	T
	=	
		3

Q.20 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. LNQ
 - 2. CEH
 - 3. TVY
 - 4. PQT

Q.21 4 is related to 64 following a certain logic. Following the same logic, 9 is related to 729.
To which of the following is 12 related following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 1808
 - 2. 1420
 - 3. 1788
 - 4. 1728

Q.22 Each of the letters in the word MUSICAL is arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

- Ans 1. Five
 2. Seven
 3. Eight
 4. Six

Q.23 Which of the following numbers will replace the question mark (?) in the given series?

56, ?, 38, 29, 20

- Ans 1. 46
 2. 47
 3. 48
 4. 42

Q.24 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
 (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Withdraw : Extract

- Ans 1. Exploit : Utilise
 2. Expend : Relish
 3. Rent : Contrive
 4. Explore : Ignore

Q.25 What should come in place of the question mark (?) in the given series?

56, 53, 50, 47, 44, ?

- Ans 1. 43
 2. 42
 3. 41
 4. 40

Q.1 How many numbers between 10 and 65 are divisible by 2, 3 and 4?

- Ans 1. 5
 2. 7
 3. 9
 4. 3

Q.2 Antony and Julie can simultaneously complete a work of floor decoration in 15 days and Julie alone in 20 days. In how many days can Antony alone complete the work of floor decoration?

- Ans 1. 55
 2. 45
 3. 60
 4. 50

Q.3 Two circles of radii 16 cm and 4 cm, respectively, touch each other externally at Point A. PQ is the direct common tangent of these circles with centres C_1 and C_2 , respectively. What is the length of PQ?

- Ans 1. 18 cm
 2. 20 cm
 3. 15 cm
 4. 16 cm

Q.4 A father is presently 3 times his daughter's age. After 10 years he will be twice as old as her. Find the daughter's present age.

- Ans 1. 10 years
 2. 5 years
 3. 15 years
 4. 20 years

Q.5 The perimeter of a rectangle is 70 cm and its diagonal is 25cm. The area of the rectangle is:

- Ans 1. 425 cm^2
 2. 420 cm^2
 3. 300 cm^2
 4. 625 cm^2

Q.6 Simplify the following expression.
 $4 \times 7 - 3 \{7 \times 4 \div (6 \times 2)\}$

- Ans 1. 12
 2. 19
 3. 21
 4. 4

Q.7 The list price of a hand mixer at a showroom is ₹2,000 and it is being sold at successive discounts of 15% and 10%. What is its net selling price in rupees?

- Ans 1. 1,530
 2. 1,560
 3. 1,440
 4. 1,600

Q.8 The average of the areas of 2 similar triangles is 706.5 m^2 whose perimeters are in the ratio of 6 : 11. What is 20% of the difference (in m^2) in areas of both triangles?

- Ans 1. 164
 2. 149
 3. 153
 4. 157

Q.9 The given table shows the number of entertainment shows (in hundreds) held in various cities. Study the table and answer the question that follows.

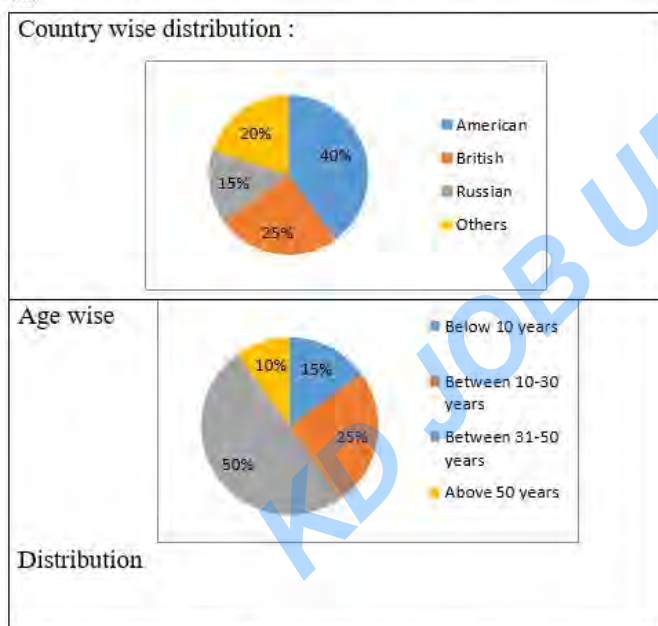
City	Entertainment Shows (in hundreds)				
	A	B	C	D	E
M	15	21	24	0.8	0.9
N	12.4	13	26	2	0.5
O	5.7	8	12	0.3	0.2
P	11.3	6	18	1	1.5
Q	17	12.4	11	3	0.4
R	14	10.5	9.8	0.7	0.1

What is the average number of entertainment shows held in city P?

- Ans**
- 1. 700
 - 2. 750
 - 3. 756
 - 4. 766

Q.10 Study the given pie-charts and answer the question that follows.

The pie-charts show the characteristics of foreign tourists visiting India during a given year.



If in a given year, 2,50,000 tourists visited India and the age wise distribution of data applies to all the countries, then the number of Russian tourists who visited India during the year and were in the age group above 50 years is:

- Ans**
- 1. 375
 - 2. 385
 - 3. 3,750
 - 4. 3,850

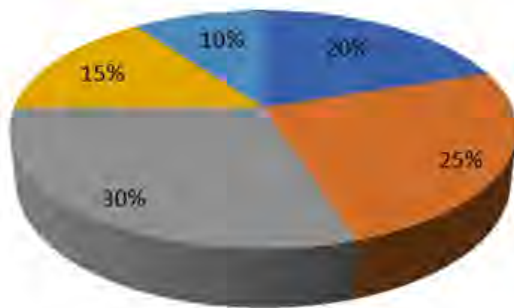
Q.11 Let C be a circle with center O and AB be a chord of C such that the length of AB is equal to the radius of C . Let D be any point on major arc of AB . Find $\angle AOB$ and $\angle ADB$, respectively.

- Ans** 1. $60^\circ; 30^\circ$
 2. $90^\circ; 60^\circ$
 3. $120^\circ; 100^\circ$
 4. $100^\circ; 80^\circ$

Q.12 The given pie-diagram shows the expenditure incurred on the preparation of a book by a publisher, under various heads. Study the pie-diagram and answer the question that follows.

Various Expenditures (in percentage) incurred in Publishing a Book

■ A-Paper ■ B-Printing ■ C-Binding ■ D-Royalty ■ E-Miscellaneous



The marked price of a book is 20% more than the CP. If the marked price of the book is ₹30, then what is the cost of paper used in a single copy of the book?

- Ans** 1. ₹6.50
 2. ₹4.50
 3. ₹5
 4. ₹6

Q.13 A person borrowed some money at the rate of 8% per annum for the first two years, at the rate of 11% per annum for the next three years, and at the rate of 16% per annum for the period beyond five years. If he pays a total interest of ₹21,400 at the end of nine years, how much money did he borrow (round to the nearest unit) ?

- Ans** 1. ₹15,938
 2. ₹11,938
 3. ₹18,938
 4. ₹18,738

Q.14 A's marks in Mathematics are directly proportional to practice time. In 6 hours of practice, A gets 70 marks. What should be the practice time (approximately) to get 90 marks?

- Ans** 1. 7.7 hours
 2. 7 hours
 3. 8.3 hours
 4. 8 hours

Q.15 The weights of the five friends are 67 kg, 85 kg, 70 kg, 90 kg, and 103 kg. Find the average of their weights in kg.

Ans 1. 90

2. 80

3. 83

4. 87

Q.16 A shopkeeper charges his customer 14% more than the cost price. If a customer paid ₹18,240 for a mobile phone, then the cost price of the mobile phone was:

Ans 1. ₹16,600

2. ₹15,686.40

3. ₹20,793.60

4. ₹16,000

Q.17 A policeman is chasing a thief at a speed of 12 km/h, and the thief is running at a speed of 8 km/h. If the policeman started 30 minutes late, find the time taken by the policeman to catch the thief.

Ans 1. 60 minutes

2. 120 minutes

3. 90 minutes

4. 100 minutes

Q.18

If $\cot A = \frac{5}{12}$, then find the value of $\frac{\sqrt{\sec A - \operatorname{cosec} A}}{\sqrt{\sec A + \operatorname{cosec} A}} \cdot \sqrt{\frac{17}{7}}$.

Ans 1. $\frac{24}{\sqrt{119}}$

2. $\frac{10}{\sqrt{119}}$

3. 0

4. $-\frac{10}{\sqrt{119}}$

Q.19 If the price of rice is reduced by 24%, it enables Alok to buy 10 kg more rice for ₹2,500. The reduced rate of rice per kg is:

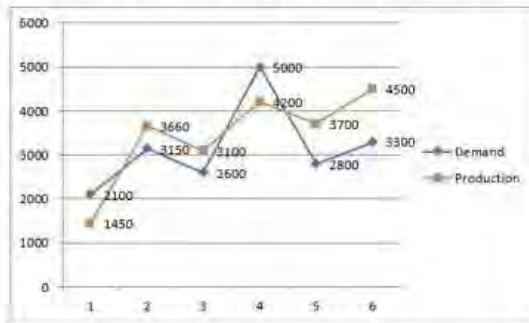
Ans 1. ₹25

2. ₹60

3. ₹50

4. ₹75

Q.20 Study the given graph carefully and answer the question that follows. The graph shows the demand and production of different companies.



The ratio between the companies having more production than demand and more demand than the production is:

- Ans
- 1. 4 : 1
 - 2. 2 : 1
 - 3. 1 : 2
 - 4. 1 : 4

Q.21 A solid sphere of radius 8 cm is melted and then recast into small spherical balls each of diameter 4 cm. Find the number of balls thus obtained (used $\pi = \frac{22}{7}$).

- Ans
- 1. 64
 - 2. 48
 - 3. 32
 - 4. 24

Q.22 An interval of 2 hours 25 minutes is wrongly estimated by 2 hours 30.5 minutes. The error percentage is:

- Ans
- 1. $3\frac{23}{29}\%$
 - 2. $2\frac{27}{29}\%$
 - 3. $3\frac{19}{29}\%$
 - 4. $2\frac{21}{29}\%$

Q.23 In a triangle ABC, D and E are two points on sides AB and AC, respectively, such that DE is parallel to BC and $AD : DB = 3 : 5$. If $AC = 5.6$ cm, then find the value (in cm) of AE.

- Ans
- 1. 1.9
 - 2. 2.1
 - 3. 2.3
 - 4. 2.5

Q.24 If the radius of a sphere is increased by 5%, then by what percentage will the surface area of the sphere increase?

- Ans 1. 10.25%
 2. 13.25%
 3. 11.25%
 4. 15.25%

Q.25 The price of a car is decreased by 15% and 20% in two successive years respectively. What percentage of the price of the car is decreased after two years?

- Ans 1. 46%
 2. 25%
 3. 32%
 4. 15%

Q.1 As of March, 2024, who is the minister of the Ministry of Cooperation, Government of India?

- Ans 1. Dharmendra Pradhan
 2. Amit Shah
 3. Smriti Zubin Irani
 4. Nitin Gadkari

Q.2 Who was the first to develop a mathematical predictive heliocentric model of the solar system?

- Ans 1. Nicolaus Copernicus
 2. Galileo Galilei
 3. Pierre-Simon Laplace
 4. Immanuel Kant

Q.3 Bhavai is a dance form that belongs to which of the following states?

- Ans 1. Bihar
 2. Odisha
 3. Rajasthan
 4. Madhya Pradesh

Q.4 According to the Census 2011 of India, which metropolitan has the second highest population?

- Ans 1. Chennai
 2. Delhi
 3. Kolkata
 4. Mumbai

Q.5 According to the Department of Industrial Policy and Promotion, which of the following is NOT a core industry?

- Ans 1. Jute
 2. Fertilisers
 3. Crude oil
 4. Electricity

Q.6 Which amongst the following statements is correct about Mughal emperor Akbar?

- Ans 1. He founded a new religion called 'Din-e Ilahi'.
 2. He fought and won the third battle of Panipat against the Hindu King Hemu.
 3. He was declared emperor in 1602.
 4. He was highly educated and knew many languages.

Q.7 What is the IUPAC name of the compound CH_3NH_2 ?

- Ans 1. 2-Methyl propan-1-amine
 2. Propan-1-amine
 3. Ethanamine
 4. Methanamine

Q.8 Which Article provides that all minorities have the right to establish and administer educational institutions of their choice?

- Ans 1. Article 26
 2. Article 24
 3. Article 32
 4. Article 30

Q.9 Which of the following causes enlargement and extension growth of cells?

- Ans 1. Pressure potential
 2. Osmotic pressure
 3. Imbibition
 4. Turgor pressure

Q.10 What happens in case of market equilibrium:

- (a) Market demand = market supply
 (b) There is no excess supply in the market

- Ans 1. Neither (a) nor (b)
 2. Only (b)
 3. Only (a)
 4. Both (a) and (b)

Q.11 Which of the following teams won the 9th Pro Kabaddi League 2022?

- Ans 1. Puneri Paltan
 2. Bengaluru Bulls
 3. UP Yoddhas
 4. Jaipur Pink Panthers

Q.12 Brahmo Samaj was earlier known as:

- Ans 1. Prarthana Samaj
 2. Arya Samaj
 3. Bramho Sabha
 4. Veda Samaj

Q.13 In 2023, Praveen Chithravel won the men's triple jump event at the 'Prueba de Confrontacion' athletics meet held in _____.

- Ans** 1. Cuba
 2. Brazil
 3. Portugal
 4. Canada

Q.14 What is the duration of single round in free style wrestling?

- Ans** 1. 3 min
 2. 2.5 min
 3. 3.5 min
 4. 2 min

Q.15 In July 2021, which of the following persons declared herself/himself brand ambassador of 'Khadi Prakritik Paint', made from cow dung by the Khadi and Village Industries Commission?

- Ans** 1. Nirmala Sitharaman
 2. Nitin Gadkari
 3. Rajnath Singh
 4. Narendra Singh Tomar

Q.16 Which south-eastern Dravidian language has been approved by Odisha state to be included in the Eighth Schedule of the Constitution of India, on 10th July 2023?

- Ans** 1. Kui
 2. Malto
 3. Tulu
 4. Kodagu

Q.17 Which of the following is NOT a part of Carnatic music?

- Ans** 1. Varnam
 2. Dhrupad
 3. Charana
 4. Pallavi

Q.18 Which of the following is an example of system software?

- Ans** 1. Microsoft Word
 2. Adobe Photoshop
 3. Windows operating system
 4. Google Chrome

Q.19 In MS Word, which option allows you to insert a new column in a table while simultaneously shifting the existing columns to the right?

- Ans** 1. Insert Table
 2. Insert Column to the Right
 3. Insert Columns
 4. Insert Column to the Left

Q.20 In which year was the Marris College of Music established in India?

- Ans 1. 1922
 2. 1926
 3. 1901
 4. 1919

Q.21 Which is the waterbody that separates Andaman Islands and Nicobar Islands?

- Ans 1. Eight Degree Channel
 2. Eleven Degree Channel
 3. Nine Degree Channel
 4. Ten Degree Channel

Q.22 According to the census of India 2011, which state has the lowest population growth rate?

- Ans 1. Jharkhand
 2. Punjab
 3. Uttar Pradesh
 4. Nagaland

Q.23 Name the web portal launched by the Department of Telecommunication sharing information on mobile towers and EMF Emission Compliances.

- Ans 1. National Optical Fibre Network
 2. Bharat Sanchar
 3. Bharat Net
 4. Tarang Sanchar

Q.24 Which of the following committees recommended the inclusion of fundamental duties in the Constitution of India?

- Ans 1. Sarkaria Committee
 2. Raja Mannar Committee
 3. Balwant Rai Mehta Committee
 4. Swaran Singh Committee

Q.25 Mahavir Jayanti celebrates the birthday of Lord Mahavira who is the _____ Tirthankara of Jainism.

- Ans 1. 23rd
 2. 26th
 3. 24th
 4. 25th

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Madhyamgram
Exam Date	08/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.

That day we reached late for the competition and even though the competition went on smooth, I felt bad about Shivani losing it.

Ans 1. the competition went on smooth

2. we reached late

3. losing it

4. I felt bad

Q.2 The sentence below contains errors. Select the option with the correct use of tenses. I will revised my course at least three times before my final examination.

Ans 1. I would revised my course at least three times before my final examination.

2. I must revised my course at least three times before my final examination.

3. I will be revised my course at least three times since my final examination.

4. I will have revised my course at least three times before my final examination.

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.

During winters, most of the trains are not running on time in North India.

Ans 1. are not running

2. on time in North India.

3. most of the trains

4. During winters,

Q.4 Select the most appropriate adverb to fill in the blank.

He comes here _____ .

Ans 1. formerly

2. daily

3. quickly

4. lately

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank 1.

- Ans 1. systematic
 2. easy
 3. fine
 4. complex

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank 2.

- Ans 1. uniformity
 2. worry
 3. diversity
 4. difficulty

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank 3.

- Ans 1. easily
 2. only
 3. especially
 4. tactfully

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank 4.

- Ans 1. polishing
 2. accepting
 3. rejecting
 4. focusing

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Hierarchy is key in ensuring normal functioning of our increasingly (1)_____ society. In the US, there is an enormous variety of industries, professional branches, specialisations, as well as a great (2)_____ of other domains of human activity or interests. So, competence here is valued and opinion influencers have an important role to play. In fact, leadership evolves as a necessity almost in any realm of human activity/ thinking, (3)_____ where more people are involved.

Thus, it isn't hard (4)_____ why even in academic institutions throughout the US and worldwide, students are given leadership essay assignments. Most students will take on leadership roles with various degrees of responsibility and impact in their lives, hence, becoming (5)_____ with typical challenges, solutions, or skills required is essential.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank 5.

- Ans 1. strange
 2. familiar
 3. unequal
 4. unusual

Q.10 Select the most appropriate synonym of the underlined word in the given sentence.

He is just jealous that he didn't get picked for the job.

- Ans 1. envious
 2. suspicious
 3. spiteful
 4. greedy

**Q.11 Select the most appropriate ANTONYM of the given word.
Despondency**

- Ans 1. Hopelessness
 2. Cheerfulness
 3. Satisfaction
 4. Dejection

Q.12 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

The setting sun turned the _____ (calm) ocean into a sea of gold.

- Ans 1. placid
 2. scattered
 3. furtive
 4. volatile

Q.13 Which of the following idioms means 'going to sleep'?

- Ans 1. Hit the sack
 2. Run around in circles
 3. Break new grounds
 4. Keep an ear to the ground

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.

His grandfather was quite grumpy .

- Ans 1. Tenable
 2. Amiable
 3. Possible
 4. Edible

Q.15 Select the most appropriate meaning of the given idiom.

Sell like hot cakes

- Ans 1. Selling out quickly
 2. Not bothering about money
 3. Extremely hot and humid
 4. Become very famous

Q.16 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.

What is the time (in) your watch?

- Ans 1. with
 2. on
 3. by
 4. into

Q.17 Select the most appropriate ANTONYM of the underlined word.

It's very cheap to display wealth by donning gaudy dresses.

- Ans 1. Cheap
 2. Sober
 3. Ornate
 4. Scanty

Q.18 Select the most appropriate option to fill in the blank.

He hasn't _____ any attention to my miserable state.

- Ans 1. made
 2. had
 3. gave
 4. paid

Q.19 Select the most appropriate ANTONYM of the given word.

MOROSE

- Ans 1. Dramatic
 2. Practical
 3. Hurried
 4. Jovial

Q.20 Select the INCORRECTLY spelt word.

- Ans 1. Apparent
 2. Agressive
 3. Skewed
 4. Creator

Q.21 Select the INCORRECTLY spelt word.

- Ans 1. Unintended
 2. Timorous
 3. Amalgamate
 4. Aproprate

Q.22 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
 They appointed him as the manager, as he was due for an promotion.

- Ans 1. it's
 2. a
 3. No substitution required
 4. next

Q.23 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
 Are today / a working day / or a / holiday?

- Ans 1. holiday
 2. Are today
 3. a working day
 4. or a

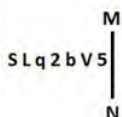
Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
 She developing a remarkable resistance to cold and altitude.

- Ans 1. No substitution required
 2. has develop
 3. has been developing
 4. developed

Q.25 Select the most appropriate ANTONYM of the underlined word in the given sentence.
 The humble pupil sat on the floor with respect.

- Ans 1. Sturdy
 2. Proud
 3. Capitalist
 4. Corrupt

Q.1 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans 1. 2VdSpJ2
 2. 2ΛdΣqJ2
 3. 5VdSpL2
 4. 5VbSpJ2

Q.2 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(59, 246, 23)
(68, 300, 32)

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. (31, 169, 53)
 2. (42, 213, 29)
 3. (32, 188, 71)
 4. (47, 248, 15)

Q.3 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some roses are flowers.

All buds are roses.

All lilies are flowers.

Conclusion (I): Some buds are lilies.

Conclusion (II): All flowers are buds.

- Ans 1. Only conclusion (II) follows.
 2. Only conclusion (I) follows.
 3. Both conclusions (I) and (II) follow.
 4. Neither conclusion (I) nor (II) follows.

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Q.4 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

1.



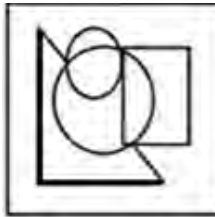
2.



3.



4.



Q.5 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$91 \text{ B } 2 \text{ D } 22 \text{ A } 11 \text{ C } 8 = ?$$

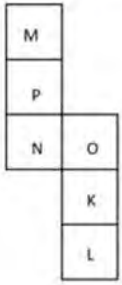
Ans 1. 128

2. 188

3. 148

4. 168

Q.6 What would be the letter on the opposite side of 'N' if the given sheet is folded to form a cube?



- Ans
- 1. K
 - 2. L
 - 3. M
 - 4. O

Q.7 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 338?

- Ans
- 1. 32 B 11 D 80 A 4 C 6
 - 2. 32 C 11 D 80 A 4 B 6
 - 3. 32 D 11 B 80 A 4 C 6
 - 4. 32 A 11 D 80 B 4 C 6

Q.8 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
XVS, AYV, DBY, GEB, ?

- Ans
- 1. EHJ
 - 2. JHE
 - 3. E JH
 - 4. JEH

Q.9 In a certain code language,
M & N means 'M is the son of N',
M @ N means 'M is the brother of N',
M \$ N means 'M is the father of N',
M # N means 'M is the mother of N'.
Based on this, how is E related to A, if 'A # B \$ C @ D & E'?

- Ans
- 1. Daughter
 - 2. Son
 - 3. Daughter's husband
 - 4. Son's wife

Q.10 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. FUHS
 - 2. MNOL
 - 3. AZCX
 - 4. YCAZ

Q.11 27 is related to 3 following a certain logic. Following the same logic, 343 is related to 7.
 To which of the following is 1331 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

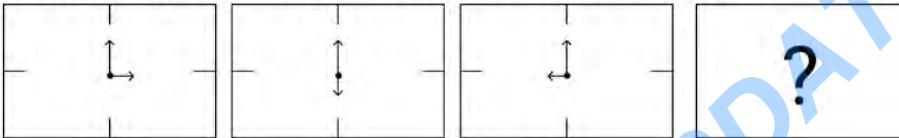
- Ans
- 1. 9
 - 2. 17
 - 3. 11
 - 4. 13

Q.12 What should come in place of ? in the given series?

281 392 503 614 725 ?

- Ans
- 1. 866
 - 2. 846
 - 3. 856
 - 4. 836

Q.13 Identify the figure given in the options which when put in place of ? will logically complete the series.



Ans

- 1.
- 2.
- 3.
- 4.

Q.14 If 11 November 2009 was Wednesday, then what was the day of the week on 17 November 2013?

- Ans
- 1. Friday
 - 2. Saturday
 - 3. Sunday
 - 4. Thursday

Q.15 After 36 days it will be a Sunday. What day is it today?

- Ans
- 1. Friday
 - 2. Sunday
 - 3. Saturday
 - 4. Monday

Q.16 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?
IPX, ?, OTZ, RVA, UXB

- Ans
- 1. LOM
 - 2. YHR
 - 3. COP
 - 4. LRY

Q.17 Select the option in which the given figure is embedded (rotation is NOT allowed).



- Ans
- 1.
 - 2.
 - 3.
 - 4.

KD JOB UPDATES

Q.18 This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

Demolish : Repair

- 1) Condemn : Approve
- 2) Consequence : Outcome
- 3) Bind : Release
- 4) Adamant : Flexible

Ans 1. 2

2. 1

3. 3

4. 4

Q.19 Which of the following numbers will replace the question mark (?) in the given series?

106, 106, 108, 36, 40, 8 ?

Ans 1. 28

2. 10

3. 14

4. 22

Q.20 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '+' are interchanged?

$$55 \times 84 - 12 + 9 + 26 = ?$$

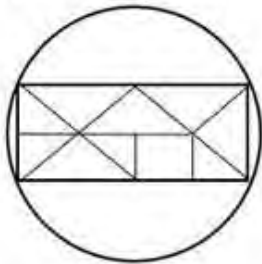
Ans 1. 90

2. 92

3. 95

4. 96

Q.21 How many triangles are there in the given figure?



Ans 1. 8

2. 11

3. 14

4. 10

Q.22 What should come in place of the question mark (?) in the given series?

77, 144, 278, 546, ?

Ans 1. 1082

2. 1208

3. 1028

4. 1802

Q.23 In a certain code language, 'FORK' is coded as '6851' and 'FROG' is coded as '5981'. How is 'K' coded in the given language?

- Ans
- 1. 5
 - 2. 9
 - 3. 6
 - 4. 1

Q.24 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. YZRHWP
 - 2. WPHRY
 - 3. YZRPWH
 - 4. YZRYHW

Q.25 KLOQ is related to NORT in a certain way based on the English alphabetical order. In the same way, HILN is related to KLOQ. To which of the following is PQTV related, following the same logic?

- Ans
- 1. STWY
 - 2. SWTY
 - 3. STUY
 - 4. SUVY

Q.1 Suresh studies the pattern of daily sale of a shop. He finds that on Monday, the sale was decreased by 10% in comparison to the sale on Sunday. On Tuesday, the sale was increased by 10% in comparison to the sale of Monday. If the sale on Tuesday was of ₹1,485, how much was the sale on Sunday?

- Ans
- 1. ₹1,495
 - 2. ₹1,485
 - 3. ₹1,475
 - 4. ₹1,500

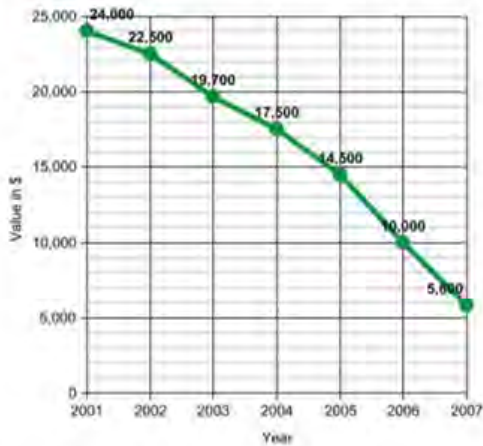
Q.2 To clear the old stock, Arshad offers a discount scheme to his customers - on buying 24 glass tumblers get 12 glass tumblers free. What is the effective percentage discount given by Arshad to his customers?

- Ans
- 1. $34\frac{2}{3}\%$
 - 2. $30\frac{1}{3}\%$
 - 3. $32\frac{2}{3}\%$
 - 4. $33\frac{1}{3}\%$

Q.3 The profit obtained by selling an article for ₹86 is twice the loss obtained by selling the same article for ₹53. Find the cost price.

- Ans
- 1. ₹22
 - 2. ₹33
 - 3. ₹75
 - 4. ₹64

Q.4 Study the given graph and answer the question that follows. The graph represents the depreciation of a car from 2001 to 2007.



What is the depreciation of the car from 2001 to 2007 in percentage?

- Ans
- 1. 81.32%
 - 2. 62%
 - 3. 58%
 - 4. 75.83%

Q.5 X and Y are two points on the circumference of a circle having diameter 20 cm. The length of the line segment XY is 16 cm. Find the distance (in cm) of the line segment XY from the centre of the circle.

- Ans
- 1. 6
 - 2. 5
 - 3. 3
 - 4. 4

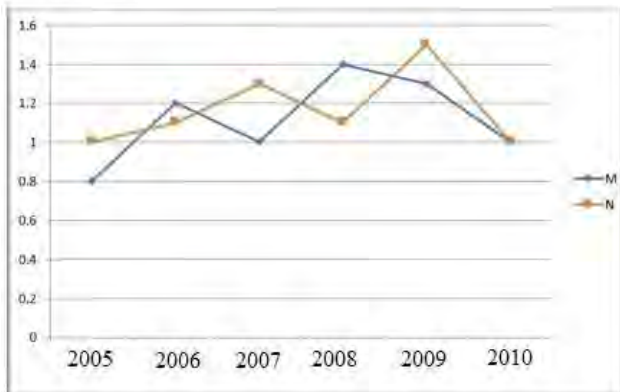
Q.6 Pranav gave 30% of the money he had to his wife, and 86% of the remaining to his two children. Half of the amount left was spent on other things, and the remaining amount of ₹98,000 was deposited in the bank. How much money did he have initially?

- Ans
- 1. ₹30,00,000
 - 2. ₹10,00,000
 - 3. ₹20,00,000
 - 4. ₹40,00,000

Q.7 If the radius of a sphere is increased by 3.5 cm, its surface area increases by 550 cm². What was the original radius of the sphere? (use $\pi = \frac{22}{7}$)

- Ans**
- 1. 4 cm
 - 2. 4.5 cm
 - 3. 6 cm
 - 4. 3.5 cm

Q.8 The following line graph shows the ratio of imports to exports of two companies over the years. Study the graph carefully and answer the question that follows.



The exports of Company M with relation to imports was the maximum in which of the following years?

- Ans**
- 1. 2008
 - 2. 2009
 - 3. 2006
 - 4. 2005

Q.9 What will be the amount due on ₹12,000 in 2 years when the rate of simple interest on successive years is 9% and 10%, respectively?

- Ans**
- 1. ₹14,250
 - 2. ₹14,350
 - 3. ₹14,150
 - 4. ₹14,280

Q.10 A two-digit number is 12 more than five times the sum of its digits. The number formed by reversing the digits is 9 less than the original number. The number is:

- Ans**
- 1. 96
 - 2. 78
 - 3. 87
 - 4. 69

Q.11 Two numbers are in the ratio 2:3. Their sum is 135. Find the numbers.

- Ans 1. 54, 81
 2. 45, 90
 3. 50, 85
 4. 60, 75

Q.12 Rohan takes 10 hours to mow a large lawn. He and Mohan together can mow it in 4 hours. How long will Mohan take to mow the lawn if he works alone?

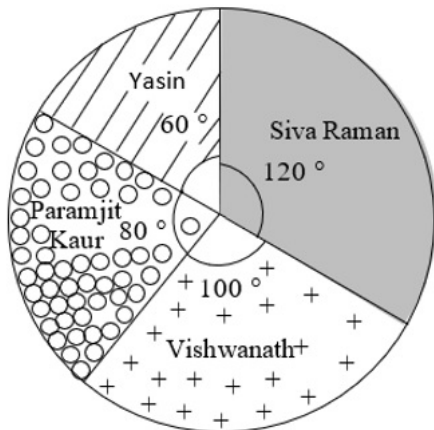
- Ans 1. $\frac{40}{3}$ hours
 2. $\frac{10}{3}$ hours
 3. $\frac{20}{3}$ hours
 4. $\frac{16}{3}$ hours

Q.13 If $\tan(t) = \frac{3}{7}$, t is an acute angle, then what is the value of $\operatorname{cosec}(t)$?

- Ans 1. $\frac{\sqrt{58}}{3}$
 2. $\frac{\sqrt{53}}{7}$
 3. $\frac{\sqrt{58}}{7}$
 4. $\frac{\sqrt{53}}{3}$

Q.14 Study the given pie-chart and answer the question that follows.

The pie-chart represents the total number of valid votes obtained by four students who contested for school leadership. The total number of valid votes polled was 720.



Who won the election?

- Ans
- 1. Yasin
 - 2. Paramjit Kaur
 - 3. Vishwanath
 - 4. Siva Raman

Q.15 The average of the first 10 natural numbers is _____.

- Ans
- 1. 5
 - 2. 6
 - 3. 6.5
 - 4. 5.5

Q.16 A's income is equal to 125% of the income of B, while B's savings are 120% of the savings of A. If the expenditure of B is 75% of the expenditure of A, then how much are B's savings as a percentage of her expenditure?

- Ans
- 1. 20%
 - 2. $22\frac{1}{2}\%$
 - 3. $16\frac{2}{3}\%$
 - 4. $18\frac{3}{4}\%$

Q.17 Two circles have radii of 27 cm and 36 cm. The distance between their centres is 45 cm. What is the length (in cm) of their common chord?

- Ans
- 1. 47.5 cm
 - 2. 37.2 cm
 - 3. 40.5 cm
 - 4. 43.2 cm

Q.18 The perimeter of a square whose area is the same as the area of a semi-circle of radius $2\sqrt{2}$ cm is:

- Ans
- 1. $8\sqrt{\pi}$ cm
 - 2. $8\sqrt{2\pi}$ cm
 - 3. $16\sqrt{\pi}$ cm
 - 4. $4\sqrt{\pi}$ cm

Q.19 The length of a common external tangent to two circles of an equal radius of 5 units is equal to the diameter of the circle. Which of the following can be the distance between the centres of the circles in units?

- Ans
- 1. 8
 - 2. 12
 - 3. 9
 - 4. 10

Q.20 The ratio of the speeds of a boat while going upstream and going downstream is 2 : 3 and the sum of these two speeds is 15 km/h. What is the speed of the stream?

- Ans
- 1. 3.5 km/h
 - 2. 1.5 km/h
 - 3. 3 km/h
 - 4. 2.5 km/h

Q.21 The given table represents the percentage marks of three students in three subjects. Study the table and answer the question.

subject	Geography	History	Economics
Student			
Rohan	78	77	74
Sohan	84	80	82
Mohan	87	83	86

The average marks obtain by Sohan in all three subject is equal to:

- Ans
- 1. 82
 - 2. 84
 - 3. 78
 - 4. 80

Q.22 When the integer n is divided by 5, the remainder is 3. What is the remainder if $6n$ is divided by 5?

- Ans
- 1. 0
 - 2. 2
 - 3. 3
 - 4. 1

Q.23 ABC is a right-angled triangle, right angled at A in such a way that $AB = AC$ and the bisector of angle B intersects the side AC at D. DM is perpendicular to BC, intersecting BC at M. If $AB = 12$ cm and $BC = 12\sqrt{2}$ cm, then find the length of side AD.

- Ans**
- 1. $12(\sqrt{2} + 2)$ cm
 - 2. $12(\sqrt{2} - 1)$ cm
 - 3. $12(\sqrt{2} - 2)$ cm
 - 4. $12(\sqrt{2} + 1)$ cm

Q.24 A metallic solid cuboid of dimensions 36 cm \times 22 cm \times 12 cm is melted and recast in the form of cubes of side 6 cm. Find the number of the cubes so formed.

- Ans**
- 1. 45
 - 2. 46
 - 3. 43
 - 4. 44

Q.25 Identify a single-digit number other than 1, which may exactly divide the number $17^3 + 18^3 - 16^3 - 15^3$.

- Ans**
- 1. 3
 - 2. 5
 - 3. 7
 - 4. 2

Q.1 India is home to the second oldest cricket club in the world. Where is it situated?

- Ans**
- 1. Mumbai
 - 2. Kolkata
 - 3. Hyderabad
 - 4. Chennai

Q.2 In which of the following regions of India is the Mundari language spoken?

- Ans**
- 1. Chota-Nagpur plateau
 - 2. Baghelkhand
 - 3. Thar desert
 - 4. Malwa plateau

Q.3 Which of the following statements is/are true with respect to MRTP Act?

- i) The Monopolies and Restrictive Trade Practices Act (MRTP Act) was repealed and replaced by the Competition Act, 2002.
- ii) The asset limit for MRTP companies was fixed at Rs. 25 crores by the first/original Monopolies and Restrictive Trade Practices Act (MRTP Act).
- iii) The Monopolies and Restrictive Trade Practices Act (MRTP Act) was first passed in 1969.

- Ans**
- 1. Only iii
 - 2. Only i and iii
 - 3. Only i and ii
 - 4. Only ii and iii

Q.4 'Pankhida' songs are sung by peasants of _____ while working on the fields.

- Ans**
- 1. Bihar
 - 2. Uttar Pradesh
 - 3. Rajasthan
 - 4. Odisha

Q.5 _____ is a musical composition that expresses devotion through madhura bhakti.

- Ans**
- 1. Tillana
 - 2. Gita
 - 3. Padam
 - 4. Kriti

Q.6 Which of the following organisation's initiative is 'India Justice Report'?

- Ans**
- 1. HCL Foundation
 - 2. Infosys Foundation
 - 3. Tata Trusts
 - 4. Azim Premji Foundation

Q.7 Which set of Articles in the Constitution of India are known as 'Cultural and Educational Rights'?

- Ans**
- 1. Articles 19-20
 - 2. Articles 23-24
 - 3. Articles 29-30
 - 4. Articles 14-15

Q.8 Pandit Birju Maharaj was related to:

- Ans**
- 1. Ozele
 - 2. Odissi
 - 3. Tapu
 - 4. Kathak

Q.9 In the 11th century, under Maḥmūd of Ghazni, Ghaznī, a small town in _____, became the capital of the vast empire of the Ghaznavids.

- Ans 1. Egypt
 2. Persia
 3. Afghanistan
 4. Turkey

Q.10 Which type of electromagnetic radiation was discovered by Johann Wilhelm Ritter in 1801?

- Ans 1. X-rays
 2. Infrared rays
 3. Gamma rays
 4. Ultraviolet rays

Q.11 A school teacher asks students to stand up every time national anthem is sung. Which Article enshrines this fundamental duty?

- Ans 1. Article 51A (a)
 2. Article 51 (b)
 3. Article 51 (d)
 4. Article 51 (c)

Q.12 According to the National Multidimensional poverty index 2021, which of the following states has the lowest percentage of population being multidimensional poor?

- Ans 1. Punjab
 2. Maharashtra
 3. Sikkim
 4. Bihar

Q.13 Who founded a reformist organisation called 'Brahmo Samaj' in Calcutta?

- Ans 1. Jyotiba Phule
 2. Vinoba Bhave
 3. Ishwar Chandra Vidyasagar
 4. Raja Ram Mohan Roy

Q.14 The Government of India's Ministry of Culture organised a programme called Vitasta in January 2023. This programme exhibits rich culture, arts and crafts of which region?

- Ans 1. Ladakh
 2. Kashmir
 3. Himachal
 4. Punjab

Q.15 Indian Railway was introduced in the year _____.

- Ans 1. 1853
 2. 1851
 3. 1852
 4. 1850

Q.16 Which state secured over all third position in the medals tally at the 36th National Games (2022) of India?

- Ans
- 1. Kerala
 - 2. Maharashtra
 - 3. Delhi
 - 4. Haryana

Q.17 In which year did the Indian football team go on its first known official international tour?

- Ans
- 1. 1947
 - 2. 1950
 - 3. 1914
 - 4. 1924

Q.18 When a new text document is created in MS-Office 2016, the default text size of the document is _____.

- Ans
- 1. 14 points
 - 2. 10 points
 - 3. 12 points
 - 4. 11 points

Q.19 Which state organises the Lokrang Festival?

- Ans
- 1. Arunachal Pradesh
 - 2. Himachal Pradesh
 - 3. Uttar Pradesh
 - 4. Madhya Pradesh

Q.20 Which cost is considered for calculating the national income in India?

- Ans
- 1. Product cost
 - 2. Factor cost
 - 3. Market cost
 - 4. Sunk cost

Q.21 Which of the following types of crops are sown at the beginning of the monsoon season?

- Ans
- 1. Rabi crops
 - 2. Kharif crops
 - 3. Vital crops
 - 4. Zaid crops

Q.22 Which of the following is an input device?

- Ans
- 1. Keyboard
 - 2. Speaker
 - 3. Monitor
 - 4. Printer

Q.23 Why is the six membered cyclic structure of glucose called a pyranose structure?

- Ans**
- 1. Pyran is a non-cyclic organic compound, with one oxygen atom and five carbon atoms in the ring.
 - 2. Furan is a five membered cyclic compound, with one oxygen and four carbon atoms.
 - 3. Pyran is a cyclic organic compound, with one oxygen atom and five carbon atoms in the ring.
 - 4. Furan is a five membered non-cyclic compound, with one oxygen and four carbon atoms.

Q.24 Recently, a bill on Uniform Civil Code (UCC) was introduced. Consider the following statements about UCC and identify the correct statement(s) from them.

1. The Uniform Civil Code in India Bill, 2020, was introduced in the Lok Sabha as a private member bill.
2. UCC refers to the same set of civil laws applicable to all the citizens of India in all the personal matters.
3. The provision for UCC in the Constitution of India is mentioned under Article 44.

- Ans**
- 1. Only 1
 - 2. Only 3
 - 3. Only 1 and 3
 - 4. Only 2 and 3

Q.25 Western disturbances are responsible for:

- Ans**
- 1. dusty storms in eastern costal area of India
 - 2. hot winds during summers in northern India
 - 3. extremely chilled weather of north-east India
 - 4. rainfall during winters in north-western part of India

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Sheela Nagar
Exam Date	08/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains an error.

In this cold weather, / there's nothing / like good / cup of coffee.

- Ans
- 1. In this cold weather
 - 2. there's nothing
 - 3. like good
 - 4. cup of coffee

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.

There's an quiet street down the left that you can use for your dance practice.

- Ans
- 1. down the left
 - 2. that you can use
 - 3. for your dance practice
 - 4. There's an quiet street

Q.3 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

The general's address / was applauds / by all sections / of society.

- Ans
- 1. of society.
 - 2. by all sections
 - 3. the general's address
 - 4. was applauds

Q.4 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

A part / of an / apple is / rotten.

- Ans
- 1. of an
 - 2. apple is
 - 3. rotten.
 - 4. A part

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. in
 2. to
 3. for
 4. with

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. curb
 2. crib
 3. crust
 4. cut

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. Planting
 2. In planting
 3. With planting
 4. By planting

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. observe
 2. conserve
 3. sabotage
 4. curtail

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Trees provide so many benefits (1)_____ our everyday lives. They filter clean air, provide fresh drinking water, help (2)_____ climate change and create homes for thousands of species of plants and animals. (3)_____ a billion trees can help save the Earth from climate change and biodiversity loss. When we restore and (4)_____ critical forests, we remove carbon and support biodiversity. A billion is a big number, but we know we can do it together. (5)_____ the planet by planting your tree today. This can protect and restore forests for future.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. Complement
 2. Supplement
 3. Sustain
 4. Denigrate

Q.10 Select the most appropriate ANTONYM of the given word.

Logical

- Ans 1. Subtle
 2. Random
 3. Illogical
 4. Reasonable

Q.11 Select the most appropriate meaning of the given idiom.

Where the shoe pinches

- Ans 1. Where the shoe hurts
 2. Difficult roads
 3. Unknown paths
 4. Where the difficulty lies

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence.

He has grown into a beautiful youth.

- Ans 1. into a handsome youth
 2. in a beautiful youth
 3. in a handsome youth
 4. a beautiful youth

Q.13 The given sentence is divided into four segments. Identify the segment that contains a spelling error.
To submit a report / on the recent fire accident, / a high level committee / has been formed.

- Ans
- 1. To submit a report
 - 2. has been formed
 - 3. a high level committee
 - 4. on the recent fire accident

Q.14 Select the most appropriate option to substitute the underlined segment in the following sentence.
We are decorate the living-room at the moment.

- Ans
- 1. We are being decorating
 - 2. We are decorates
 - 3. We are decorating
 - 4. We are being decorate

Q.15 Identify the INCORRECTLY spelt word in the following sentence and select the option with the correct spelling.

Stomach sleepers were rated as being more gregarious and uncomfortable with criticism.

- Ans
- 1. gregarious
 - 2. ratedd
 - 3. stomac
 - 4. criticicm

Q.16 Select the most appropriate synonym of the given word.
Callous

- Ans
- 1. Affectionate
 - 2. Generous
 - 3. Exhausting
 - 4. Cruel

Q.17 Select the most appropriate option to substitute the underlined segment in the following sentence.
Rohit is write to them three times.

- Ans
- 1. Rohit was beings written
 - 2. Rohit was write
 - 3. Rohit had write
 - 4. Rohit has written

Q.18 Select the most appropriate synonym of the given word.
Venom

- Ans
- 1. Butter
 - 2. Poison
 - 3. Honey
 - 4. Fruit juice

Q.19 Select the most appropriate option to fill in the blank.
Rosy and Nicky couldn't provide any evidence to support _____ arguments.

- Ans 1. they're
 2. there
 3. their
 4. theirs

Q.20 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The CEO called for compulsory participation from each employee.

- Ans 1. Compliantly
 2. Overtly
 3. Obligatory
 4. Voluntary

Q.21 Select the most appropriate option to fill in the blank.
The company's _____ commitment to sustainability is admirable.

- Ans 1. resolute
 2. shakeable
 3. strong
 4. wavering

Q.22 Select the most appropriate synonym of the given word.

Baffle

- Ans 1. Equalise
 2. Confuse
 3. Explicate
 4. Barbarous

Q.23 Select the most appropriate idiom to fill in the blank.
Mala _____ by cheating on the exam to win her bet with Priya.

- Ans 1. hit below the belt
 2. get the sack
 3. look down upon
 4. fell out

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
The inspector smile after he was finished and patted Margie's head.

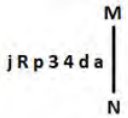
- Ans 1. has smiled
 2. No substitution required
 3. was smiled
 4. smiled

Q.25 Select the most appropriate option to fill in the blank.

The perfume she uses has a strong _____.

- Ans
- 1. send
 - 2. cent
 - 3. scent
 - 4. sent

Q.1 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



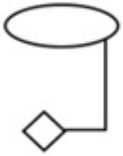
- Ans
- 1. jRp34da
 - 2. jRp34da
 - 3. jRp34da
 - 4. jRp34da

Q.2 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

$$45 \text{ B } 6 \text{ D } 78 \text{ A } 3 \text{ C } 15 = ?$$

- Ans
- 1. 257
 - 2. 256
 - 3. 258
 - 4. 259

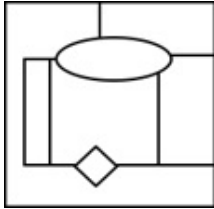
Q.3 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



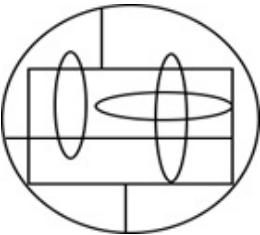
(X)

Ans

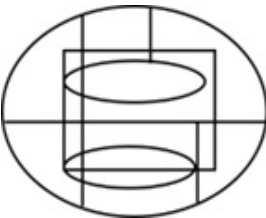
✓ 1.



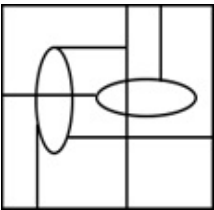
✗ 2.



✗ 3.



✗ 4.



Q.4 TOWB is related to CVDU in a certain way based on the English alphabetical order. In the same way, VKFA is related to BRMW. To which of the following is CMZU related, following the same logic?

Ans ✗ 1. VGDT

✓ 2. VTGD

✗ 3. VGTD

✗ 4. VTDG

Q.5 Which of the following numbers will replace the question mark (?) in the given series?

454 515 426 481 398 447 370 413 ?

Ans ✗ 1. 354

✗ 2. 326

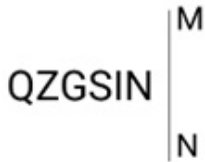
✓ 3. 342

✗ 4. 313

Q.6 In a certain code language, 'power' is coded as '45978' and 'rain' is coded as '7312'.
How is 'r' coded in that language?

- Ans 1. 5
 2. 1
 3. 7
 4. 3

Q.7 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

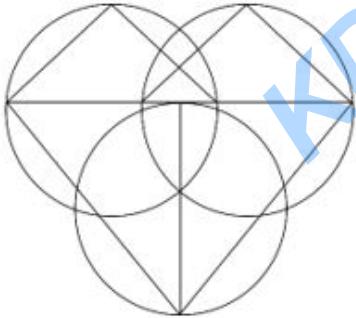


- Ans 1. NISGSQ
 2. NISGSQ
 3. NISGSQ
 4. NISGSQ

Q.8 'A × B' means 'A is B's mother'.
 'A ÷ B' means 'A is B's son'.
 'A + B' means 'A is B's husband'.
 'A - B' means 'A is B's sister'.
 Using the same meaning of the mathematical operators as given above, in 'D + E × F - G' what is the relation of F with D?

- Ans 1. Daughter
 2. Mother
 3. Son
 4. Sister's daughter

Q.9 How many triangles are there in the given figure?



- Ans 1. 5
 2. 6
 3. 8
 4. 7

Q.10 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$61 + 80 - 48 \times 3 \div 5 = ?$$

- Ans**
- 1. 61
 - 2. 63
 - 3. 60
 - 4. 62

Q.11 What should come in place of the question mark (?) in the given series?

12, 16, 25, 41, 66, ?

- Ans**
- 1. 104
 - 2. 103
 - 3. 102
 - 4. 101

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(75, 89, 103)

(98, 112, 126)

- Ans**
- 1. (82, 96, 110)
 - 2. (95, 109, 118)
 - 3. (72, 91, 105)
 - 4. (87, 101, 125)

Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

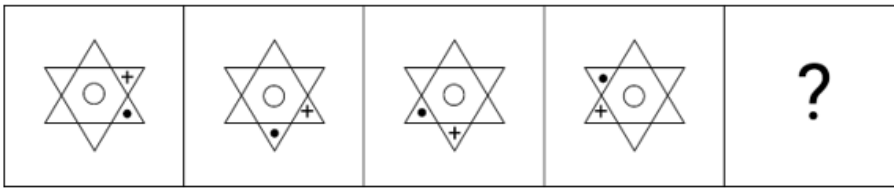
$$35 \times 16 \div 3 + 156 - 12 = ?$$

- Ans**
- 1. 63
 - 2. 70
 - 3. 72
 - 4. 64

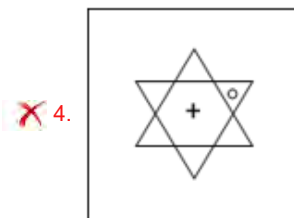
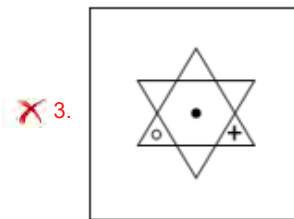
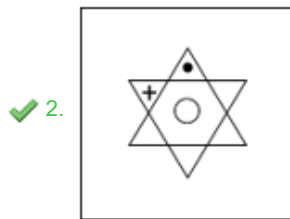
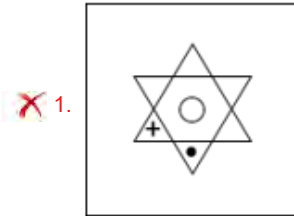
Q.14 Each of the letters in the word TRAMPOLINE are arranged from left to right in alphabetical order to form a new word. How many letters are there in the English alphabetical series between the alphabet which is fourth from the left and the one which is first from the right in the newly formed word?

- Ans**
- 1. Six
 - 2. Four
 - 3. Seven
 - 4. Five

Q.15 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?



Ans



Q.16 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some rivers are huts.

All streams are grass.

Some grass are rivers.

Conclusion (I): All grass are streams.

Conclusion (II): Some grass are huts.

Ans 1. Only conclusion (I) follows.

2. Both conclusions (I) and (II) follow.

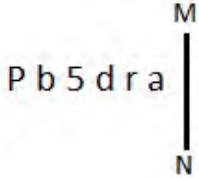
3. Neither conclusion (I) nor (II) follows.

4. Only conclusion (II) follows.

Q.17 'YPCLY' is related to 'RIVER' in a certain way based on the English alphabetical order. In the same way, 'ZWHIL' is related to 'SPACE'. To which of the following is 'TVJRALZA' related, following the same logic?

- Ans**
- 1. MOCKTEST
 - 2. MOCTTEST
 - 3. MOOKTEST
 - 4. MOXKTEST

Q.18 Select the correct mirror image of the given figure when the mirror is placed at MN.



- Ans**
- 1. ɹ ɹ b ʇ d ǀ
 - 2. ɹ ɹ b ʇ d d
 - 3. ɹ b 5 d r a
 - 4. a ɹ b 5 d ǀ

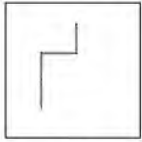
Q.19 Which letter-cluster will replace the question mark (?) to complete the given series? KLHO, LKIN, ?, QFNI, UBRE

- Ans**
- 1. NJKM
 - 2. OIKM
 - 3. OJKL
 - 4. NIKL

Q.20 In a certain code language, 'WYNK' is coded as '9243' and 'YAWN' is coded as '3941'. How is 'A' coded in the given language?

- Ans**
- 1. 3
 - 2. 9
 - 3. 2
 - 4. 1

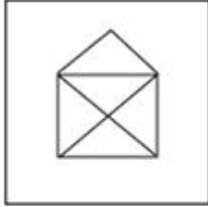
Q.21 Select the option in which the given figure X is embedded (i.e. contains figure X in the same form).



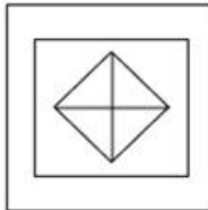
(X)

Ans

1.



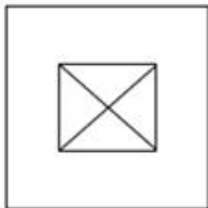
2.



3.



4.



Q.22 13 is related to 39 following a certain logic. Following the same logic, 25 is related to 75. To which of the following is 42 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans 1. 118

2. 126

3. 120

4. 128

Q.23 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ZY_WZTX_Z_XU_JXT

Ans 1. YVOZ

2. XVOZ

3. ZYOX

4. XOVZ

Q.24 While introducing Madhav, Jihaan said, "I am the only son of one the sons of his mother."
How is Madhav related to Jihaan?

- Ans
- 1. Maternal nephew or paternal nephew
 - 2. Father or paternal uncle
 - 3. Cousin
 - 4. Son or brother

Q.25 If 05 August 2005 is Friday, then what will be the day of the week on 17 April 2011?

- Ans
- 1. Sunday
 - 2. Saturday
 - 3. Monday
 - 4. Wednesday

Q.1 The marked price of a battery-operated rickshaw is ₹90,000. It is available for sale at two successive discounts of 10% and 5%. What is the selling price (in ₹) of the battery-operated rickshaw?

- Ans
- 1. 76,950
 - 2. 78,950
 - 3. 77,850
 - 4. 75,850

Q.2 Simplify

$$4\frac{1}{4} \times 4\frac{1}{4} - 2 \times 4\frac{1}{4} \times \frac{1}{4} + \frac{1}{4} \times \frac{1}{4}$$

- Ans
- 1. 16
 - 2. 32
 - 3. 64
 - 4. 4

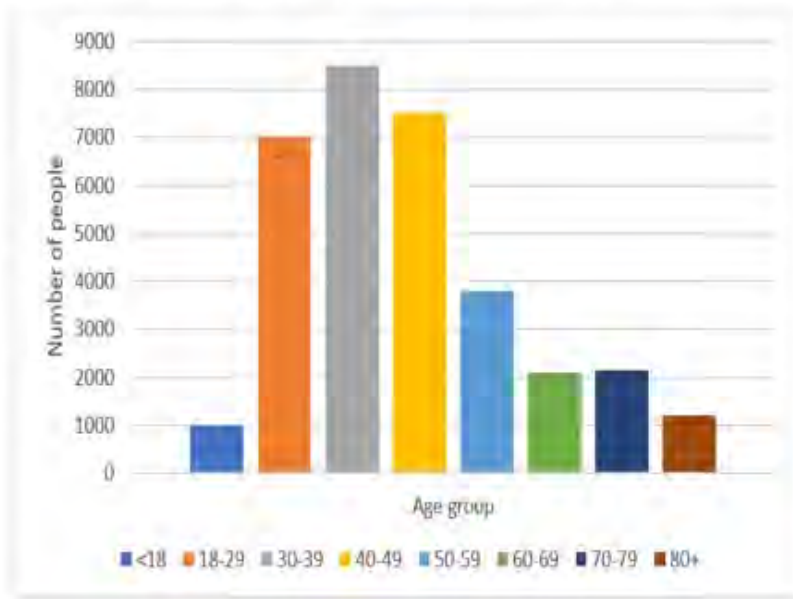
Q.3 8 apples and 10 oranges weigh 5 kg. 12 apples and 20 oranges weigh 9 kg. What is the weight (in kg, rounded off to the nearest integer) of 15 apples and 24 oranges?

- Ans
- 1. 16
 - 2. 11
 - 3. 13
 - 4. 10

Q.4 Find the altitude (in cm) of side MT of triangle MNT with side MN = 36 cm, MT = 36 cm and NT = 48 cm.

- Ans
- 1. $18\sqrt{3}$
 - 2. $16\sqrt{5}$
 - 3. $12\sqrt{5}$
 - 4. $24\sqrt{3}$

Q.5 Study the given bar-graph and answer the question that follows.



Which age group has the least number of people?

- Ans
- 1. 80+
 - 2. 30-39
 - 3. 50-59
 - 4. <18

Q.6 Pradeep sells two fans at ₹480 each and by doing so he gains 20% on one fan and loses 20% on the other. His loss on the whole (in ₹) is:

- Ans
- 1. 10
 - 2. 40
 - 3. 20
 - 4. 30

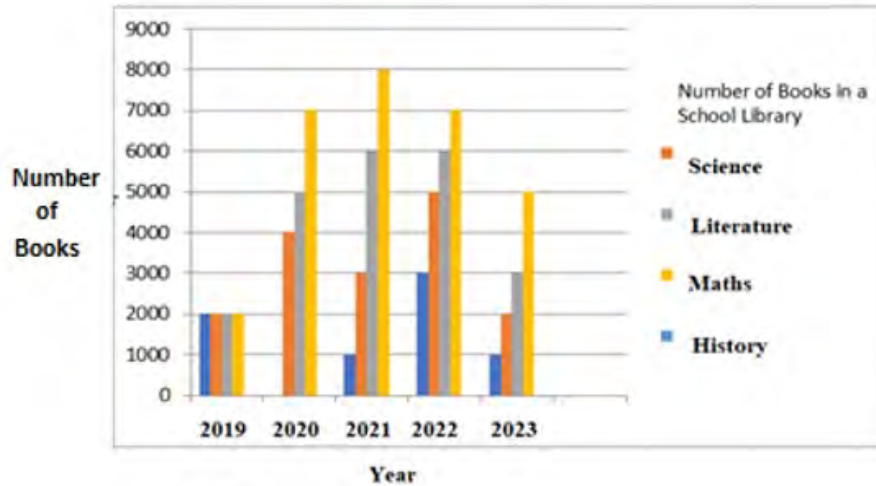
Q.7 In a triangle ABC, P and Q are two points on AB and AC, respectively, such that PQ parallel to BC. If $AC = 5QC$, then the ratio $PQ : BC$ is equal to:

- Ans
- 1. 4 : 3
 - 2. 4 : 5
 - 3. 3 : 4
 - 4. 5 : 4

Q.8 The centres of two circles are 84 cm apart. If the radii of these two circles are 38 cm and 26 cm, respectively, then which of the following options gives the length (in cm) of a direct common tangent of these two circles?

- Ans
- 1. $48\sqrt{3}$
 - 2. $54\sqrt{3}$
 - 3. $42\sqrt{3}$
 - 4. $36\sqrt{3}$

Q.9 Study the given graph carefully and answer the question that follows.



On the bases of this multiple bar graph, What is the change in the number of Literature books from the year 2020 to the year 2023.

- Ans
- 1. 1000 more
 - 2. 2000 more
 - 3. 2000 less
 - 4. No change

Q.10 What is the value of the following expression?

$$420 \div \left[\frac{4}{9} \times \left(1 + \frac{4}{5} \right) \times 5 \right] + \left[\frac{5}{7} \text{ of } \frac{21}{25} \div \frac{3}{4} \text{ of } \frac{2}{5} \right]$$

- Ans
- 1. 127
 - 2. 139
 - 3. 107
 - 4. 89

Q.11 Find the mean proportional between 25 and 81.

- Ans
- 1. 12
 - 2. 36
 - 3. 81
 - 4. 45

Q.12 Ramu mixes 2 litres of water at 100°C and 18 litres of water at 32°C . What temperature will the water have after mixing?

- Ans
- 1. 40°C
 - 2. 20°C
 - 3. 38.8°C
 - 4. 66°C

Q.13 At an election involving two candidates, 68 votes are declared invalid. The winning candidate gets 52% of the valid votes and wins by 98 votes. The total number of votes polled is:

- Ans 1. 2518
 2. 2475
 3. 2500
 4. 2250

Q.14 A sum of money becomes five times its original value in 15 years when invested at a certain simple interest rate. If the sum was invested twice the time at the same rate of interest, what would be the final amount?

- Ans 1. The money becomes 9 times its original value
 2. The money becomes 7 times its original value
 3. The money becomes 6 times its original value
 4. The money becomes 8 times its original value

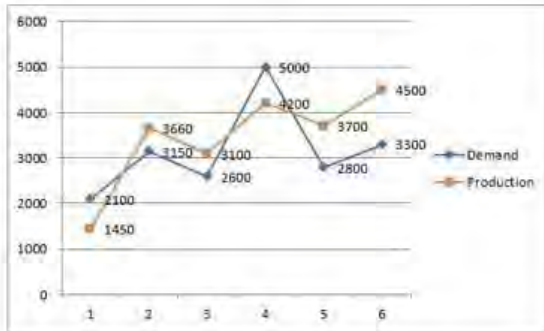
Q.15 If $\sin \theta = \frac{11}{12}$, then what will be the value of $(\tan \theta + \sec \theta)$?

- Ans 1. $\frac{12}{\sqrt{23}}$
 2. $\frac{11}{\sqrt{23}}$
 3. $\sqrt{23}$
 4. 23

Q.16 A solid metallic cylinder of base radius 6 cm and height 10 cm is melted to form small cylinders, each of height 2.5 cm and base radius 2 cm. Find the number of small cylinders.

- Ans 1. 36
 2. 32
 3. 80
 4. 360

Q.17 Study the given graph carefully and answer the question that follows. The graph shows the demand and production of different companies.



Lowest production is what percentage of the highest demand?

- Ans
- 1. 29%
 - 2. 30%
 - 3. 71%
 - 4. 70%

Q.18 Ramesh's pocket money was reduced by 25%, and then the reduced pocket money was increased by 20%. Find the net increase or decrease percentage in his original pocket money.

- Ans
- 1. Increase 12%
 - 2. Decrease 12%
 - 3. Increase 10%
 - 4. Decrease 10%

Q.19 R and S can finish a work in 10 days, S and T can finish it in 12 days and T and R can finish in 8 days. In how many days will the work be finished if they all work simultaneously?

- Ans
- 1. $\frac{240}{39}$
 - 2. $\frac{240}{37}$
 - 3. $\frac{240}{33}$
 - 4. $\frac{240}{31}$

Q.20 The area of an isosceles right angled triangle is 16 m^2 . Its hypotenuse is _____.

- Ans
- 1. 0.8 m
 - 2. 8 m
 - 3. 4 m
 - 4. 8 cm

Q.21 R can finish a work in 6 days if he works 10 hours a day. S can finish it in 5 days if he works 8 hours a day. If both start a work and work daily for 6 hours, the work will be finished in ____ days.

- Ans
- 1. 5
 - 2. 4
 - 3. 3
 - 4. 6

Q.22 A battery manufacturer manufactures five different types of batteries. The total revenue for the year 2020 is ₹25,00,000 and 20,000 units were exported in 2020. The distribution of revenue and units for the five different types of batteries is shown in the charts.



Which type of battery provides the lowest revenue per unit?

- Ans
- 1. Sodium
 - 2. Li-ion
 - 3. M-Air
 - 4. Lead acid

Q.23 From a circular sheet of circumference 264 cm, two equal maximum-sized circular plates are cut off. What will be the circumference of each plate? (Use $\pi = \frac{22}{7}$)

- Ans
- 1. 264 cm
 - 2. 135 cm
 - 3. 176 cm
 - 4. 132 cm

Q.24 The speed of a boat in still water is 12 km/h, and the speed of the stream is 3 km/h. A man goes to a place by boat, 45 km and comes back to the starting point. Find the total time taken by him.

- Ans
- 1. 6 hours
 - 2. 7 hours
 - 3. 8 hours
 - 4. 9 hours

Q.25 In an election a candidate secured 47% of the votes and lost to his only opponent by 276 votes. Find the total number of votes polled.

- Ans
- 1. 3800
 - 2. 4600
 - 3. 4000
 - 4. 4200

Q.1 What is the use of Net National Product (NNP)?

- Ans
- 1. To calculate exports
 - 2. To calculate balance of payments
 - 3. To calculate per capita income
 - 4. To calculate imports

Q.2 Buddh International Circuit is located at:

- Ans
- 1. Noida
 - 2. Chennai
 - 3. Mumbai
 - 4. Delhi

Q.3 Which is the nearest planet to the Sun?

- Ans
- 1. Jupiter
 - 2. Uranus
 - 3. Saturn
 - 4. Mercury

Q.4 In which year was the first Arjuna Award given to a woman hockey player?

- Ans
- 1. 1963
 - 2. 1964
 - 3. 1962
 - 4. 1961

Q.5 Which of the following is a string instrument commonly featured in the folk music of Gujarat?

- Ans
- 1. bungal
 - 2. turi
 - 3. pava
 - 4. jantar

Q.6 The parliamentary standing committees have a tenure of _____ years.

- Ans
- 1. four
 - 2. two
 - 3. three
 - 4. one

Q.7 How can you access the Step by Step Mail Merge Wizard in Microsoft Word?

- Ans 1. Clicking on the Mailings tab
 2. Pressing Ctrl + M
 3. Pressing F12
 4. Clicking on the File menu

Q.8 Which military officer led the British forces in the Battle of Chinhat fought in 1857?

- Ans 1. Robert Maclagan
 2. Charles Ellice
 3. Henry Lawrence
 4. James George Smith

Q.9 Match the railway zones in column A with their headquarters in column B.

Column A (Railway zones)	Column B (Headquarters)
1. Central	a. New Delhi
2. Northern	b. Mumbai CST
3. Eastern	c. Chennai
4. Southern	d. Kolkata

- Ans 1. 1-b, 2-d, 3-a, 4-c
 2. 1-a, 2-b, 3-d, 4-c
 3. 1-b, 2-a, 3-d, 4-c
 4. 1-b, 2-a, 3-c, 4-d

Q.10 What is known to be 'ekaharya', where one dancer takes on many roles in a single performance?

- Ans 1. Bharatanatyam
 2. Kathak
 3. Kuchipudi
 4. Kathakali

Q.11 Name the Chola inscription that provided details of the way in which the sabha was organised in the local administration in the Chola empire.

- Ans 1. Thirunanthikarai inscription
 2. Thiruvallangadu inscription
 3. Darsanam Koppu inscription
 4. Uttaramerur inscription

Q.12 Which of the following Articles was amended in the Constitution (Fifth Amendment Act), 1955?

- Ans 1. Article 3
 2. Article 45
 3. Article 17
 4. Article 34

Q.13 What was the Child Sex Ratio in the country as per the Census of India 2011?

- Ans 1. 189
 2. 981
 3. 919
 4. 911

Q.14 The Supreme Court, in May 2023, observed that it can give divorce on the ground of irretrievable breakdown of marriage by exercising its discretionary power under _____.

- Ans 1. Article 142 of the Constitution of India
 2. Article 143 of the Constitution of India
 3. Article 32 of the Constitution of India
 4. Article 136 of the Constitution of India

Q.15 In MS-Word, a document may be printed using _____.

- Ans 1. Ctrl+X
 2. Ctrl+P
 3. Ctrl+V
 4. Ctrl+C

Q.16 As per Census of India 2011, in which of the following states was the total population less than 10 lakh?

- Ans 1. Telangana
 2. Sikkim
 3. Tripura
 4. Goa

Q.17 In which year did Galileo describe the regular, swinging motion of a pendulum by the action of gravity and acquired momentum?

- Ans 1. 1600
 2. 1605
 3. 1602
 4. 1599

Q.18 A housemaid gets her 12-year-old daughter to help in her work as a house cleaner at a residential colony instead of sending her to school. Which fundamental duty is violated by the housemaid?

- Ans 1. To provide opportunities for education to his/her child
 2. To promote harmony and the spirit of common brotherhood
 3. To defend the country and render national service
 4. To safeguard public property and to abjure violence

Q.19 Which of the following statement/s about the Green Revolution is/are CORRECT?

- i. India became self-sufficient with the introduction of the Green Revolution.
- ii. The Green Revolution led to loss of nutrients in the soil from farming the same crop over and over again.
- iii. The Green Revolution led to depletion of fresh ground water.

- Ans**
- 1. Only i and iii
 - 2. Only i and ii
 - 3. i, ii and iii
 - 4. Only ii

Q.20 Citizens are NOT discriminated against on the basis of religion, caste or sex because of:

- Ans**
- 1. Right to Freedom
 - 2. Right against Exploitation
 - 3. Right to Freedom of Religion
 - 4. Right to Equality

Q.21 Since 1994, Winter Olympics traditionally take place _____ after the Summer Olympics.

- Ans**
- 1. 3 months
 - 2. 2 years
 - 3. 4 years
 - 4. 6 months

Q.22 Which of the following is a medium-sized globular protein that acts as a pancreatic serine protease found in the digestive system of many vertebrates?

- Ans**
- 1. Trypsin
 - 2. Amylase
 - 3. Lipase
 - 4. Pepsin

Q.23 Which of the following types of music is confined to the states of Karnataka, Andhra Pradesh, Tamil Nadu and Kerala?

- Ans**
- 1. Carnatic
 - 2. Regional
 - 3. Classical
 - 4. Hindustani

Q.24 The Kutch festival is held at _____.

- Ans**
- 1. Ahmedabad
 - 2. Bhuj
 - 3. Rajkot
 - 4. Surat

Q.25 The central stretch of the Western Coastal Plains of India is known as the:

- Ans**
- 1. Coromandel coast
 - 2. Konkan coast
 - 3. Malabar coast
 - 4. Kannad plains

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ 1 Sector 62
Exam Date	08/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into four segments. Identify the segment that contains an error.

How long are you working / for your current employer / and why don't you / look for better opportunities?

- Ans
- 1. for your current employer
 - 2. look for better opportunities
 - 3. and why don't you
 - 4. How long are you working

Q.2 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.

The sun rises / in an east / and sets / in the west.

- Ans
- 1. in an east
 - 2. and sets
 - 3. in the west.
 - 4. the sun rises

Q.3 The given sentence is divided into three segments. Select the option that has the segment with a grammatical error. If there is no error, select 'No error'.
The judges eliminated the / classical singer, as she dropped of / in the middle of the competition.

- Ans
- 1. No error
 - 2. in the middle of the competition.
 - 3. classical singer, as she dropped of
 - 4. The judges eliminated the

Q.4 Select the most appropriate option to fill in the blank.

All the players from this athletic club participated in the tournament and _____ one of them got a medal.

- Ans
- 1. they
 - 2. none
 - 3. each
 - 4. all

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

A few months after Conrads death, the nobles met at Aix-la-Chapelle and elected Henry to be their king. At this time, it was the (1)_____ in Europe to hunt various birds, such as the wild duck and partridge, with falcons. The falcons were long-winged birds of prey, (2)_____ hawks. They were trained to (3)_____ on their masters wrist and wait patiently until they were told to fly. Then they would swiftly (4) _____ at their prey and bear it to the ground. Henry was very fond of falconry and hence was known as Henry the Fowler, or Falconer. As soon as the other dukes had elected him king, a messenger was sent to Saxony to (5)_____ him of the honour done for him. After a search of some days, he was at last found, far up in the Hartz Mountains, hunting with his falcons.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. motive
 2. conventions
 3. custom
 4. ritualistic

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

A few months after Conrads death, the nobles met at Aix-la-Chapelle and elected Henry to be their king. At this time, it was the (1)_____ in Europe to hunt various birds, such as the wild duck and partridge, with falcons. The falcons were long-winged birds of prey, (2)_____ hawks. They were trained to (3)_____ on their masters wrist and wait patiently until they were told to fly. Then they would swiftly (4) _____ at their prey and bear it to the ground. Henry was very fond of falconry and hence was known as Henry the Fowler, or Falconer. As soon as the other dukes had elected him king, a messenger was sent to Saxony to (5)_____ him of the honour done for him. After a search of some days, he was at last found, far up in the Hartz Mountains, hunting with his falcons.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. echoing
 2. subjugating
 3. favouring
 4. resembling

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

A few months after Conrads death, the nobles met at Aix-la-Chapelle and elected Henry to be their king. At this time, it was the (1)_____ in Europe to hunt various birds, such as the wild duck and partridge, with falcons. The falcons were long-winged birds of prey, (2)_____ hawks. They were trained to (3)_____ on their masters wrist and wait patiently until they were told to fly. Then they would swiftly (4) _____ at their prey and bear it to the ground. Henry was very fond of falconry and hence was known as Henry the Fowler, or Falconer. As soon as the other dukes had elected him king, a messenger was sent to Saxony to (5)_____ him of the honour done for him. After a search of some days, he was at last found, far up in the Hartz Mountains, hunting with his falcons.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. perch
 2. chirp
 3. sitting
 4. lurch

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

A few months after Conrads death, the nobles met at Aix-la-Chapelle and elected Henry to be their king. At this time, it was the (1)_____ in Europe to hunt various birds, such as the wild duck and partridge, with falcons. The falcons were long-winged birds of prey, (2)_____ hawks. They were trained to (3)_____ on their masters wrist and wait patiently until they were told to fly. Then they would swiftly (4) _____ at their prey and bear it to the ground. Henry was very fond of falconry and hence was known as Henry the Fowler, or Falconer. As soon as the other dukes had elected him king, a messenger was sent to Saxony to (5)_____ him of the honour done for him. After a search of some days, he was at last found, far up in the Hartz Mountains, hunting with his falcons.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. dashed
 2. dart
 3. leapt
 4. flight

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

A few months after Conrads death, the nobles met at Aix-la-Chapelle and elected Henry to be their king. At this time, it was the (1)_____ in Europe to hunt various birds, such as the wild duck and partridge, with falcons. The falcons were long-winged birds of prey, (2)_____ hawks. They were trained to (3)_____ on their masters wrist and wait patiently until they were told to fly. Then they would swiftly (4) _____ at their prey and bear it to the ground. Henry was very fond of falconry and hence was known as Henry the Fowler, or Falconer. As soon as the other dukes had elected him king, a messenger was sent to Saxony to (5)_____ him of the honour done for him. After a search of some days, he was at last found, far up in the Hartz Mountains, hunting with his falcons.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. convey
 2. inform
 3. communicate
 4. nullify

Q.10 Select the most appropriate option that can replace the bracketed word segment in the following sentence.

Men (allowed) for Olympic artistic swimming for the first time at the 2024 Paris Games, the IOC confirmed on Thursday.

- Ans 1. are eligible
 2. have permitted
 3. are likely
 4. will approve

Q.11 Select the most appropriate homophone to fill in the blank.

These people are artists. _____ skills are extraordinary.

- Ans 1. They're
 2. Their
 3. They or
 4. There

Q.12 Select the most appropriate homonym to fill in the blank.

The prince is the _____ to the throne.

- Ans 1. air
 2. heir
 3. err
 4. ere

Q.13 Select the most appropriate ANTONYM of the underlined word in the given sentence.

His industrious attitude was the reason for his promotion.

- Ans 1. Lazy
 2. Efficient
 3. Pricey
 4. Hazy

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

As there was no one to look thorough the orphan, he had to take refuge in the orphanage.

- Ans 1. look upon
 2. look after
 3. look down upon
 4. look through

Q.15 There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word.

They addressed the special gathering perfectly.

- Ans 1. gathering
 2. adressed
 3. perfectly
 4. special

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The player was declared fit and in excellent health to play the final matches.

- Ans 1. left out in cold
 2. on cloud nine
 3. up in the arms
 4. right as rain

Q.17 Select the INCORRECTLY spelt word.

- Ans 1. Conscience
 2. Conscious
 3. Conspicuous
 4. Consciencious

Q.18 Complete the following sentence.

He _____ to the manager about the terrible food in the hostel.

- Ans
- 1. He said a complaint .
 - 2. He terribly complained.
 - 3. He made a complaint .
 - 4. He said a big complaint .

Q.19 Select the most appropriate ANTONYM of the given word.

Terminate

- Ans
- 1. Conclude
 - 2. Mark
 - 3. Begin
 - 4. Die

Q.20 Select the most appropriate option that can substitute the underlined words in the following sentence.

I cannot go out tonight because I will preparing of my interview tomorrow.

- Ans
- 1. I have to prepare for
 - 2. I had to prepare to
 - 3. I have been prepare to
 - 4. I will have prepare for

Q.21 Select the most appropriate meaning of the given idiom.

To read between the lines

- Ans
- 1. To read without concentration
 - 2. To grasp the hidden meaning
 - 3. To whisper
 - 4. To read aloud

Q.22 Select the most appropriate ANTONYM of the given word.

Peace

- Ans
- 1. Turmoil
 - 2. Strange
 - 3. Harmony
 - 4. Refusal

Q.23 Select the most appropriate option to fill in the blank.

The _____ purpose of the coaching was to identify the talented players.

- Ans
- 1. main
 - 2. mane
 - 3. mean
 - 4. mine

Q.24 Select the most appropriate pair of words to fill in the blanks.
Shyam has reserved a _____ in the train for his wife as she will be giving _____ to his child soon.

- Ans 1. birth; berth
 2. berth; birth
 3. berth; berth
 4. birth; birth

Q.25 Select the most appropriate option that can substitute the underlined word in the given sentence.
Loud noise effects our ability to concentrate.

- Ans 1. bestows
 2. affects
 3. intensifies
 4. results

Q.1 21 is related to 59 by certain logic. Following the same logic, 32 is related to 81. To which of the following is 29 related, following the same logic?
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans 1. 62
 2. 60
 3. 58
 4. 75

Q.2 In a certain language,
A # B means A is the sister of B,
A @ B means A is the son of B,
A & B means A is the wife of B and
A % B means A is the father of B.
E & P @ D % K # L
Based on the above, how is E related to K?

- Ans 1. Brother's wife
 2. Mother's mother
 3. Mother
 4. Sister

Q.3 This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

Adhere : Comply

- 1) Accord : Harmony
- 2) Busy : Engaged
- 3) Eager : Keen
- 4) Jubilant : Depressed

Ans 1. 2

2. 4

3. 1

4. 3

Q.4 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$404 \text{ B } 2 \text{ D } 101 \text{ A } 101 \text{ C } 6 = ?$$

Ans 1. 803

2. 830

3. 831

4. 813

Q.5 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
FHB, KMG, PRL, UWQ, ?

Ans 1. ZBV

2. ZDV

3. ZVB

4. ZCV

Q.6 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans 1. KPQJ

2. TGHS

3. NMNM

4. ZABX

Q.7 What should come in place of the question mark (?) to complete the following letter-cluster series?
YBP, WDS, TGQ, OLT, ?

Ans 1. HTR

2. HSR

3. LSR

4. HSP

Q.8 The position of how many letters will remain unchanged if each of the letters in the word CHEMISTRY is arranged in alphabetical order?

Ans 1. Three

2. Two

3. One

4. Four

Q.9 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$34 + 56 \times 8 \div 2 - 16 = ?$$

- Ans**
- 1. 23
 - 2. 36
 - 3. 38
 - 4. 30

Q.10 Select the option in which the given figure is embedded. (Rotation is NOT allowed.)



- Ans**
- 1.
 - 2.
 - 3.
 - 4.

Q.11 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All shoes are ties.

Some ties are pants.

All pants are buttons.

Conclusion (I): Some buttons are shoes.

Conclusion (II): No ties are buttons.

- Ans**
- 1. Neither conclusion (I) nor (II) follows.
 - 2. Only conclusion (II) follows.
 - 3. Only conclusion (I) follows.
 - 4. Both conclusions (I) and (II) follow.

Q.12 What should come in place of the question mark (?) in the given series?

138, 137, 140, 139, 142, ?

- Ans**
- 1. 141
 - 2. 143
 - 3. 140
 - 4. 142

Q.13 The position of how many letters will remain unchanged if each of the letters in the word PRAISE is arranged in the alphabetical order?

- Ans 1. Two
 2. Three
 3. None
 4. One

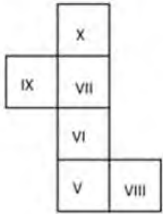
Q.14 Which two numbers should be interchanged to make the given equation correct?

$$79 - 43 + (23 + 75) \times 3 - (30 \div 15) \times 4 = 175$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

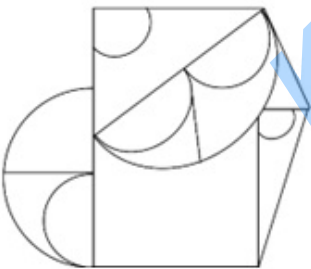
- Ans 1. 23 and 43
 2. 75 and 79
 3. 3 and 4
 4. 75 and 30

Q.15 What would be the Roman numeral on the opposite side of 'IX' if the given sheet is folded to form a cube?



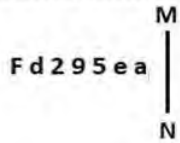
- Ans 1. VIII
 2. X
 3. V
 4. VI

Q.16 How many semi circles are there in the given figure?



- Ans 1. 7
 2. 5
 3. 6
 4. 4

Q.17 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. **Fb292ebf**
 - 2. **Fq292ebf**
 - 3. **Fp292ebf**
 - 4. **Fq292ebf**

Q.18 Which two numbers should be interchanged to make the given equation correct?

$$(86 \div 43) + (66 \div 33) \times 2 + 72 - 6 \times 4 = 177$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 43 and 2
 - 2. 2 and 72
 - 3. 2 and 6
 - 4. 2 and 4

Q.19 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. **GFXD39ZL**
 - 2. **LZ9D3FXG**
 - 3. **GFXD39ZL**
 - 4. **LZ9D3FXG**

Q.20 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

	H		C		H		O	
O		3		6		C		?
C	3	H	O	O	C	H	6	

Ans

1.

	H
E	
O	6

2.

	H
E	
6	O

3.

	C
H	
O	E

4.

	H
O	
C	E

Q.21 In a certain code language, 'LDWR' is coded as 'NGUQ' and 'BFKZ' is coded as 'DIY'. What is the code for 'YTGX' in the given code language?

- Ans**
- 1. AWEW
 - 2. BWFV
 - 3. YWVY
 - 4. ZVYV

Q.22 In a certain code language, 'DEAL' is coded as '0368' and 'DEAF' is coded as '2630'. What is the code for 'F' in that language?

- Ans**
- 1. 0
 - 2. 3
 - 3. 2
 - 4. 8

Q.23 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(60, 15, 5)

(96, 24, 8)

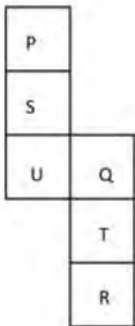
Ans 1. (156, 39, 13)

2. (159, 39, 13)

3. (150, 36, 13)

4. (156, 39, 11)

Q.24 What would be the letter on the opposite side of 'S' if the given sheet is folded to form a cube?



Ans 1. T

2. Q

3. P

4. R

Q.25 'STAUNCH' is related to 'WXEYRGL' in a certain way based on the English alphabetical order. In the same way, 'BLISS' is related to 'FPMWW'. To which of the following is 'COWARD' related, following the same logic?

Ans 1. GSAEVH

2. GSAFVH

3. GSZEVH

4. GTAEVH

Q.1 Ram invested a certain sum of money at simple interest. It amounted to $\frac{5}{4}$ of itself in 3 years. What will be its rate per cent per annum?

Ans 1. 8.20%

2. 9.12%

3. 7.25%

4. 8.33%

Q.2 Tanvi can do a work in 25 days, and Tai can complete the same work in 30 days. They started the work together for 5 days. How much work is left?

- Ans**
1. $\frac{11}{30}$
2. $\frac{1}{12}$
3. $\frac{11}{12}$
4. $\frac{19}{30}$

Q.3 Ram is 20 years older than Rahul. 'n' years ago Ram was thrice as old as Rahul. '2n' years from now the ratio of the ages of Ram and Rahul will be 15 : 11. What is the value of 'n'?

- Ans**
1. 10
2. 30
3. 20
4. 15

Q.4 A sells an object to B at 10% profit, B sells it to C at 60% profit and C sells it to D at 12½% profit. If D paid ₹59.40, then at what price did A buy it?

- Ans**
1. ₹30
2. ₹32
3. ₹34
4. ₹28

Q.5 A man can row a boat at speed 8 km/h in still water. It takes thrice as long to row upstream as it does to row downstream. Find the speed of the stream (in km/h).

- Ans**
1. 6
2. 4
3. 5
4. 3

Q.6 Simplify the expression $720 + 48 \div 8 \times 5 - 6 \times 3$.

- Ans**
1. 732
2. 161
3. $\frac{112}{5}$
4. 242

Q.7 In an election contested by two candidates, one candidate got 42% of the total votes and still lost by 800 votes. Find the total number of votes that were cast.

- Ans**
1. 7000
2. 8000
3. 2000
4. 5000

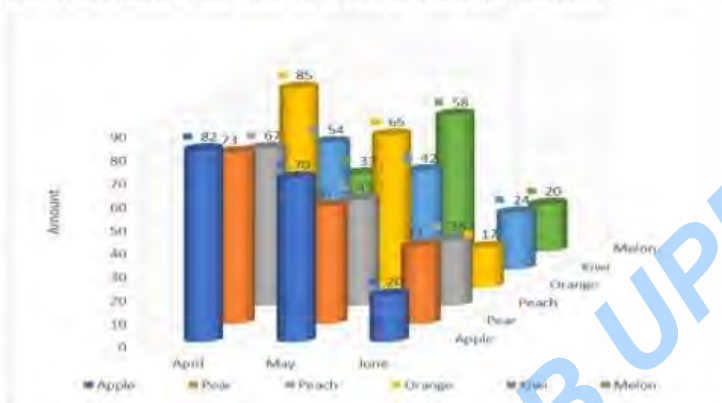
Q.8 On buying 24 bangles Meena gets 6 bangles free of cost. By what percentage does Meena get a discount?

- Ans**
- 1. 15%
 - 2. 10%
 - 3. 5%
 - 4. 20%

Q.9 Side BC of a ΔABC is extended upto D such that $CD = AC$. If $\angle BAD = 118^\circ$ and $\angle ACB = 80^\circ$, then the value of $\angle ABC$ is equal to:

- Ans**
- 1. 36°
 - 2. 27°
 - 3. 22°
 - 4. 32°

Q.10 Study the given three-dimensional chart and answer the question that follows.
The chart details the sale of fruits in different months.



Which fruit was the most sold in the month of May and how much more than the lowest-sold fruit in that month ?

- Ans**
- 1. Kiwi, 23
 - 2. Orange, 23
 - 3. Apple, 28
 - 4. Kiwi, 22

Q.11 5% of 2% of 3 is equal to:

- Ans**
- 1. 3
 - 2. 0.3
 - 3. 0.003
 - 4. 0.03

- Q.12** The following table shows admitted students in an institute during the academic years 2015 to 2020 in different courses.

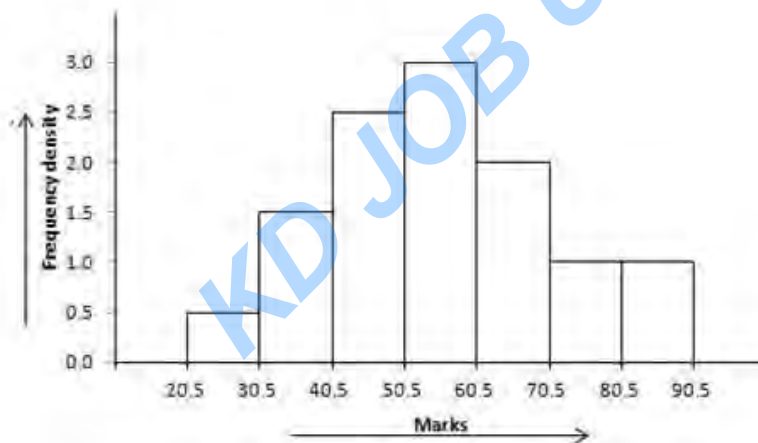
Academic year	Engineering	Science	Arts	Management
2015	1200	850	450	240
2016	1362	821	525	275
2017	1351	870	624	286
2018	1409	921	615	293
2019	1421	931	795	300
2020	1400	950	750	320

Which of the following course had either a consistent growth or a consistent decline in the admissions from 2015 to 2020?

- Ans** 1. Management
 2. Engineering
 3. Arts
 4. Science

- Q.13** Study the given histogram and answer the questions that follow.

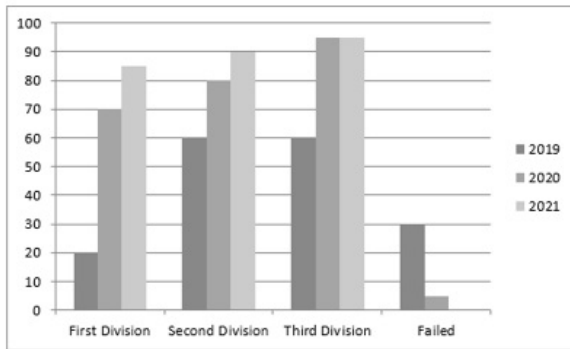
The histogram shows the distribution of marks obtained by 115 students in a college.



A student is marked as qualified if he/she obtains marks above 40.5. Here, the ratio of the number of qualified students to that of students who are not qualified is:

- Ans** 1. 5 : 1
 2. 17 : 4
 3. 9 : 2
 4. 19 : 4

Q.14 The given graph shows the higher secondary result of a particular school, from 2019 to 2021. Study the graph and answer the question that follows.



The ratio of the number of students who passed with first division in all the 3 years to the total number of students in 2020 is:

- Ans
- 1. 7 : 10
 - 2. 17 : 10
 - 3. 7 : 13
 - 4. 7 : 15

Q.15 Solve $\frac{2 \times 2 + 2}{2 \div 2 \times 2} \div \frac{\frac{1}{2} \div \frac{1}{2} \text{ of } \frac{1}{2}}{\frac{1}{2} + \frac{1}{2} \text{ of } \frac{1}{2}}$

- Ans
- 1. $4\frac{1}{8}$
 - 2. $2\frac{1}{8}$
 - 3. $1\frac{1}{8}$
 - 4. $3\frac{1}{8}$

Q.16 Which of the following statements is INCORRECT about the circle?

Ans 1. The area of a sector = $\frac{1}{2}$ (arc length \times R).

2.

The radius of an incircle of an equilateral triangle of side 's' is $\frac{s}{2\sqrt{3}}$.

3. The length of an arc = $\frac{\text{central angle made by the arc}}{360^\circ} \times \pi r^2$.

4.

Circles are congruent if they have same radii while similar circles may have different radii.

Q.17 The distance between the centres of two circles is 81 cm, and their radii are 42 cm and 51 cm. What is the length (in cm) of the direct common tangent to the circles?

- Ans
- 1. $36\sqrt{5}$
 - 2. $51\sqrt{6}$
 - 3. $31\sqrt{3}$
 - 4. $40\sqrt{2}$

Q.18 The value of a machine depreciates every year by 5%. If the present value of the machine is ₹80,000, what will be its value after 2 years?

- Ans
- 1. ₹72,000
 - 2. ₹72,200
 - 3. ₹74,000
 - 4. ₹74,400

Q.19 The average weight of 35 students in a class is 40 kgs. Five of the students of this class whose average weight is 42 kgs left the class. Find the average weight of the remaining 30 students.

- Ans
- 1. $39\frac{2}{3}$ kgs
 - 2. $29\frac{2}{3}$ kgs
 - 3. $49\frac{2}{3}$ kgs
 - 4. $19\frac{2}{3}$ kgs

Q.20 Two triangles ABC and DEF are similar. The smallest side of ABC is equal to 15 units. If the sides of ABC are in the ratio 3 : 4 : 5, and the area of DEF is half of the area of ABC, then what is the largest side of DEF (in units)?

- Ans
- 1. $\frac{25}{\sqrt{3}}$
 - 2. $\frac{25}{\sqrt{2}}$
 - 3. $25\sqrt{2}$
 - 4. $25\sqrt{3}$

Q.21 If $\cos^4\theta - \sin^4\theta = 4/5$, then find the value of $\sin 4\theta$.

- Ans
- 1. $\frac{24}{25}$
 - 2. $\frac{16}{25}$
 - 3. $\frac{21}{25}$
 - 4. $\frac{18}{25}$

Q.22 Find the cost of painting a ball that is in the shape of a sphere with a radius of 14 cm. The painting cost of the ball is ₹5 per square centimetre (take $\pi = \frac{22}{7}$).

- Ans
- 1. ₹12,230
 - 2. ₹12,320
 - 3. ₹13,022
 - 4. ₹13,220

Q.23 Two cubes, each of edge 5 cm, are joined face to face. Find the surface area of the cuboid thus formed.

- Ans
- 1. 250 cm^2
 - 2. 300 cm^2
 - 3. 125 cm^2
 - 4. 200 cm^2

Q.24 The inner and outer radii of a hemispherical wooden bowl are 6 cm and 8 cm, respectively. Its entire surface has to be polished and the cost of polishing $\pi \text{ cm}^2$ is Rs.50. How much will it cost to polish the bowl?

- Ans
- 1. Rs.11,600
 - 2. Rs.11,400
 - 3. Rs.10,000
 - 4. Rs.12,000

Q.25 If $A : B = 2 : 3$ and $B : C = 7 : 8$, find $A : C$.

- Ans
- 1. $7 : 2$
 - 2. $4 : 7$
 - 3. $7 : 12$
 - 4. $12 : 7$

Q.1 According to Koeppen's Scheme of classification of climate, which of the following characteristics is associated with 'Group E'?

- Ans
- 1. The average temperature of the coldest month is -3°C or below
 - 2. The average temperature for all months is below 10°C
 - 3. The average temperature of the coldest month is higher than -3°C but below 18°C
 - 4. The average temperature of the coldest month is 18°C or higher

Q.2 The Assam government observed the birthday of _____ on 31 March 2023, as Students Day in the state.

- Ans
- 1. Bodofa Upendra Nath Brahma
 - 2. Prafulla Kumar Mahanta
 - 3. Biraj Kumar Sarma
 - 4. Bhriku Kumar Phukan

Q.3 To create a new MS Word document, which of the following steps is correct?

- Ans
- 1. File Tab \rightarrow Start
 - 2. File Tab \rightarrow Recent
 - 3. File Tab \rightarrow Open
 - 4. File Tab \rightarrow New

Q.4 Khelo India Winter Games 2023 was held at _____.

- Ans
- 1. Leh
 - 2. Himachal Pradesh
 - 3. Jammu and Kashmir
 - 4. Uttarakhand

Q.5 Application software includes a variety of programs that are designed to meet the information processing needs of _____.

- Ans
- 1. customers
 - 2. programmers
 - 3. team leaders
 - 4. end users

Q.6 As of March 2020, which of the following solar power plants is the biggest plant in the world, with total installed capacity of 2,245 MW?

- Ans
- 1. Kamuthi solar power project
 - 2. Bhadla solar park
 - 3. Sakri photovoltaic solar energy project
 - 4. Dhirubhai Ambani solar park

Q.7 Which of the following committees was associated with Industrial Licensing Policy Inquiry?

- Ans
- 1. Hazari Committee
 - 2. Sen Committee
 - 3. Gadgil Committee
 - 4. Dutt Committee

Q.8 At which place did Raja Ram Mohan Roy form a reform association called Brahma Sabha in the year 1828?

- Ans
- 1. Pune
 - 2. Bombay
 - 3. Calcutta
 - 4. Madras

Q.9 Which amongst the following Sultans shifted his capital from Delhi to Daulatabad?

- Ans
- 1. Feroz Shah Tughlaq
 - 2. Ibrahim Lodhi
 - 3. Sikandar Lodhi
 - 4. Muhammad Bin Tughlaq

Q.10 Price control and rationing are direct control measures to check _____.

- Ans
- 1. deflation
 - 2. reflation
 - 3. inflation
 - 4. disinflation

Q.11 Which of the following is NOT related to the 'Trinity of Carnatic Music'?

- Ans
- 1. Purandara Das
 - 2. Syama Shastri
 - 3. Muthuswami Dikshitar
 - 4. Tyagaraja

Q.12 Which sport is NOT played in mixed doubles?

- Ans
- 1. Badminton
 - 2. Table tennis
 - 3. Tennis
 - 4. Handball

Q.13 As per the Census-2011, the total absolute increase in population during the decade is _____.

- Ans
- 1. 18.19 crore
 - 2. 16.41 crore
 - 3. 17.21 crore
 - 4. 15.23 crore

Q.14 How many Fundamental Rights were initially provided in the Constitution of India?

- Ans
- 1. Seven
 - 2. Eight
 - 3. Nine
 - 4. Six

Q.15 As of March, 2024, who is the Executive Chairman of the National Legal Services Authority of India?

- Ans 1. Justice Ranjan Gogoi
 2. Justice Sanjiv Khanna
 3. Justice Sharad Bobde
 4. Justice UU Lalit

Q.16 Select the natural habitat of the Asiatic Lion from the following.

- Ans 1. Gir forest
 2. Sundarbans
 3. Kanha National Park
 4. Saranda forest

Q.17 Select the olfactory indicator from among the given options.

- Ans 1. Turmeric
 2. Petunia
 3. Clove oil
 4. Cabbage juice

Q.18 Which of the following is NOT one of the classical languages of India?

- Ans 1. Odiya
 2. Malayalam
 3. Kannada
 4. Magahi

Q.19 Which statement about Classical Carnatic Music is correct?

- Ans 1. The compositions are either in Telugu, Kannada, Tamil or Sanskrit.
 2. The compositions are either in Marathi, Odia, Konkani or Bengali.
 3. The compositions are either in Telugu, Malayalam, Hindi or Sanskrit.
 4. The compositions are either in Malayalam, Marathi, Tamil or Bengali.

Q.20 Lal Thanhawla holds the record for the longest-serving Chief Minister of _____, occupying the position for five terms.

- Ans 1. Meghalaya
 2. Manipur
 3. Mizoram
 4. Sikkim

Q.21 Which of the following dances is listed in the UNESCO List of Intangible Cultural Heritage of India since 2010?

- Ans 1. Garba
 2. Kalbelia
 3. Ghumar
 4. Matki

Q.22 _____ of the Constitution of India has provisions for legal enforcement of the fundamental rights.

- Ans 1. Article 32
 2. Article 19
 3. Article 29
 4. Article 28

Q.23 Which of the following is NOT compulsory equipment for a football referee?

- Ans 1. White flag
 2. Whistle(s)
 3. Watch(es)
 4. Red and yellow cards

Q.24 Doljatra is a festival of which state from followings?

- Ans 1. Uttar Pradesh
 2. Assam
 3. Rajasthan
 4. Haryana

Q.25 Which of the following is the correct relationship?

- Ans 1. $F = ma$
 2. $F = m/a$
 3. $F = m^2a$
 4. $F = a/m$

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Manimangalam
Exam Date	09/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

In geography class, / the teacher told the students, / "Switzerland lies / inside Germany, France, Austria, and Italy."

- Ans
- 1. Switzerland lies
 - 2. In geography class,
 - 3. the teacher told the students,
 - 4. inside Germany, France, Austria, and Italy.

Q.2 Select the most appropriate option to fill in the blank.

Serena _____ from fever since the 5th of this month.

- Ans
- 1. suffers
 - 2. suffered
 - 3. has been suffering
 - 4. is suffering

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

'You expressed your opinion/ very clearly /but I am sorry/ I cannot agree to you'.

- Ans
- 1. very clearly
 - 2. You expressed your opinion
 - 3. I cannot agree to you
 - 4. but I am sorry

Q.4 Parts of the following sentence have been given as options. Select the option that contains an error.

There are eight planets in our solar system and a Earth is the third planet from the Sun.

- Ans
- 1. There are eight planets
 - 2. planet from the Sun.
 - 3. and a Earth is the third
 - 4. in our solar system

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The disclaimer read that no animals were harmed (1)_____ the filming of that scene. However, they forgot that the brand of lipstick that was applied (2)_____ the heroines lips for that scene was manufactured from crushed cochineal bugs, which release a pigment commonly used in red lipstick. The other items in the film studio (3)_____ used animal fats during their manufacturing. The actors who (4)_____ that they are vegan in past interviews are unaware of their indirect involvement in such acts of cruelty against animals. The indirect cruelty against animals does not stop here. For example, the extensive disposal of plastic waste in oceans has made plastic a part of the animal food chain, which is detrimental (5)_____ our entire ecosystem.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

Ans 1. during

2. from

3. around

4. for

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The disclaimer read that no animals were harmed (1)_____ the filming of that scene. However, they forgot that the brand of lipstick that was applied (2)_____ the heroines lips for that scene was manufactured from crushed cochineal bugs, which release a pigment commonly used in red lipstick. The other items in the film studio (3)_____ used animal fats during their manufacturing. The actors who (4)_____ that they are vegan in past interviews are unaware of their indirect involvement in such acts of cruelty against animals. The indirect cruelty against animals does not stop here. For example, the extensive disposal of plastic waste in oceans has made plastic a part of the animal food chain, which is detrimental (5)_____ our entire ecosystem.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

Ans 1. to

2. upon

3. over

4. on

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The disclaimer read that no animals were harmed (1)_____ the filming of that scene. However, they forgot that the brand of lipstick that was applied (2)_____ the heroines lips for that scene was manufactured from crushed cochineal bugs, which release a pigment commonly used in red lipstick. The other items in the film studio (3)_____ used animal fats during their manufacturing. The actors who (4)_____ that they are vegan in past interviews are unaware of their indirect involvement in such acts of cruelty against animals. The indirect cruelty against animals does not stop here. For example, the extensive disposal of plastic waste in oceans has made plastic a part of the animal food chain, which is detrimental (5)_____ our entire ecosystem.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

Ans 1. least

2. also

3. long

4. too

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The disclaimer read that no animals were harmed (1)_____ the filming of that scene. However, they forgot that the brand of lipstick that was applied (2)_____ the heroines lips for that scene was manufactured from crushed cochineal bugs, which release a pigment commonly used in red lipstick. The other items in the film studio (3)_____ used animal fats during their manufacturing. The actors who (4)_____ that they are vegan in past interviews are unaware of their indirect involvement in such acts of cruelty against animals. The indirect cruelty against animals does not stop here. For example, the extensive disposal of plastic waste in oceans has made plastic a part of the animal food chain, which is detrimental (5)_____ our entire ecosystem.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. are confessing
 2. confessed
 3. had confessed
 4. were confessing

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The disclaimer read that no animals were harmed (1)_____ the filming of that scene. However, they forgot that the brand of lipstick that was applied (2)_____ the heroines lips for that scene was manufactured from crushed cochineal bugs, which release a pigment commonly used in red lipstick. The other items in the film studio (3)_____ used animal fats during their manufacturing. The actors who (4)_____ that they are vegan in past interviews are unaware of their indirect involvement in such acts of cruelty against animals. The indirect cruelty against animals does not stop here. For example, the extensive disposal of plastic waste in oceans has made plastic a part of the animal food chain, which is detrimental (5)_____ our entire ecosystem.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. in
 2. to
 3. on
 4. for

Q.10 Select the most appropriate option to fill in the blank.

The teacher asked the students to _____ attention towards the instructions given for the project.

- Ans 1. make
 2. pay
 3. had
 4. keen

Q.11 Select the INCORRECTLY spelt word.

- Ans 1. Clandestine
 2. Pronunciation
 3. Denunciation
 4. Dissociation

Q.12 Select the most appropriate ANTONYM of the underlined word in the sentence.
She was asked by the elders to wear a skirt covering her knees.

- Ans
- 1. Exposing
 - 2. Expecting
 - 3. Expounding
 - 4. Expanding

Q.13 Select the most appropriate option that can substitute the underlined word in the following sentence.
If it is sunny tomorrow, we go for a picnic.

- Ans
- 1. will going
 - 2. will go
 - 3. will went
 - 4. goes

Q.14 Select the most appropriate ANTONYM of the given word
Abundance

- Ans
- 1. Fortune
 - 2. Excitement
 - 3. Scarcity
 - 4. Prosperity

Q.15 Select the most appropriate option to substitute the underlined segment in the following sentence.

A gift from my teacher on the eve of the new year was a complete surprise.

- Ans
- 1. a bolt from the blue
 - 2. spilling of beans
 - 3. like striking one's colours
 - 4. like a cat on hot bricks

Q.16 Select the correct spelling of the underlined word in the following sentence.
I am in a hurry so I will see you tomorow.

- Ans
- 1. tomoorow
 - 2. toomorow
 - 3. tomorrow
 - 4. tomoorow

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
There is an old rivalry between the three families for ages.

- Ans
- 1. of the three families
 - 2. among the three families
 - 3. in the three families
 - 4. No substitution required

Q.18 Select the option that will improve the underlined part of the given sentence.

It is my custom to get up early in the morning.

- Ans
- 1. perfection
 - 2. addiction
 - 3. habit
 - 4. oddity

Q.19 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The company has to be able to compete globally.

- Ans
- 1. Attack
 - 2. Support
 - 3. Pervert
 - 4. Impede

Q.20 Identify the most appropriate synonym of the following word.
Sceptical

- Ans
- 1. Stoic
 - 2. Insensitive
 - 3. Incredulous
 - 4. Garrulous

Q.21 Select the appropriate option that can substitute the underlined phrase in the following sentence.
Even though she's a celebrity, she doesn't draw any attention towards herself .

- Ans
- 1. keeps a low profile
 - 2. keeps up with the Joneses
 - 3. keeps hot under the collar
 - 4. is hard to come by

Q.22 Read the given sentence carefully. Change the meaning of the sentence by replacing the underlined word with its ANTONYM from the following options.
William Shakespeare is considered to be the most celebrated dramatist in the world of literature.

- Ans
- 1. illustrious
 - 2. inglorious
 - 3. acclaimed
 - 4. laureate

Q.23 Select the most appropriate ANTONYM of the underlined word.
The army advanced into enemy territory.

- Ans
- 1. Retreated
 - 2. Protruded
 - 3. Commuted
 - 4. Arose

Q.24 Which of the following sentences contains the ANTONYM of the word 'important'?

- Ans 1. Namita also makes some very salient points in her newly revised preface.
2. Choose the right colour to make your bike stand out!
3. You always make me do all the trivial stuff.
4. I have some urgent questions for you.

Q.25 Select the most appropriate option that can substitute the underlined word in the given sentence.

There was enough room in the spacious flat for all of our furniture.

- Ans 1. cozy
2. tiny
3. roomy
4. cramped

Q.1 In a certain code language,
 'A + B' means 'A is the sister of B',
 'A - B' means 'A is the brother of B',
 'A × B' means 'A is the father of B',
 'A ÷ B' means 'A is the wife of B'.

Based on the above, how is P related to T if 'P + Q ÷ R × S - T'?

- Ans 1. Father's sister
2. Mother's sister
3. Sister
4. Mother

Q.2 The position of how many letters will remain unchanged if each of the letters in the word ENGLISH is arranged in alphabetical order?

- Ans 1. Two
2. Four
3. Three
4. One

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$20 - 80 \times 16 \div 5 + 15 = ?$$

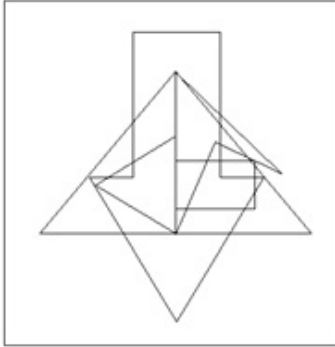
- Ans 1. 32
2. 35
3. 30
4. 36

Q.4 Select the option in which the given figure (X) is embedded. (Rotation is NOT allowed).

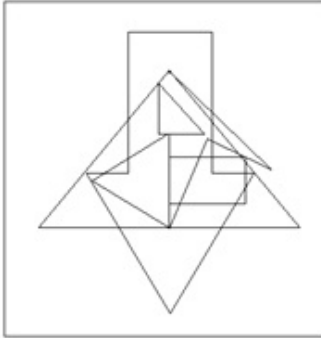


Ans

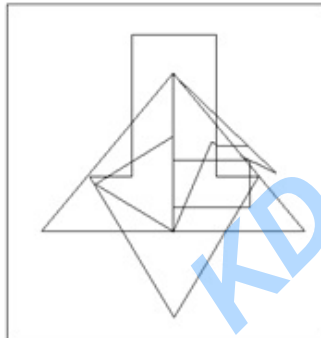
✓ 1.



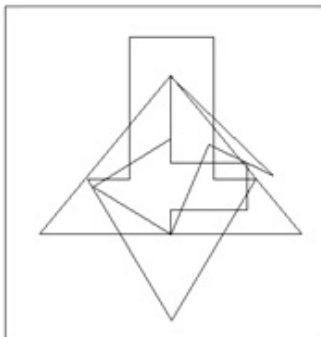
✗ 2.



✗ 3.



✗ 4.



KD JOB UPDATES

Q.5 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All papers are charts.

Some charts are notebooks.

Some notebooks are files.

Conclusions:

(I) Some charts are files.

(II) All papers being notebooks is a possibility.

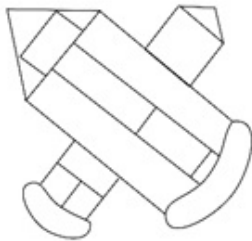
- Ans**
- 1. None of the conclusions follow
 - 2. Only conclusion I follows
 - 3. Both conclusions I and II follow
 - 4. Only conclusion II follows

Q.6 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged?

$$47 + 10 \times 3 - 32 \div 8 = ?$$

- Ans**
- 1. 19
 - 2. 21
 - 3. 31
 - 4. 27

Q.7 How many rectangles are there in the given figure?



- Ans**
- 1. 8
 - 2. 7
 - 3. 6
 - 4. 5

Q.8 Which of the following numbers will replace the question mark (?) in the given series?

41 49 65 89 121 161 ?

- Ans**
- 1. 209
 - 2. 189
 - 3. 195
 - 4. 215

Q.9 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 3, 36)

(1, 7, 49)

Ans 1. (4, 4, 252)

2. (1, 9, 59)

3. (3, 5, 225)

4. (5, 4, 260)

Q.10 What should come in place of the question mark (?) in the given series?

69, 78, 103, 152, ?

Ans 1. 323

2. 233

3. 231

4. 332

Q.11 In a certain code language, 'BILLION' is coded as '3264581' and 'MILLION' is coded as '3249581'. What is the code for 'M' in that language?

Ans 1. 6

2. 5

3. 9

4. 3

Q.12 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GDJ, KHN, OLR, SPV, ?

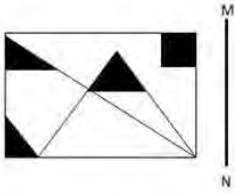
Ans 1. WUZ

2. WTZ

3. VSX

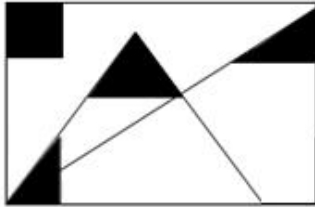
4. VTY

Q.13 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

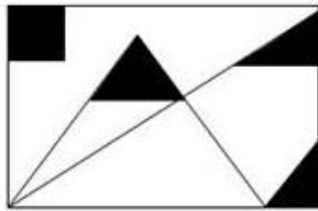


Ans

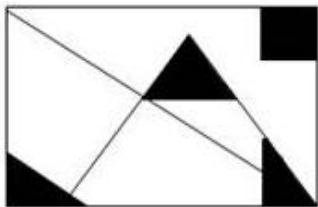
1.



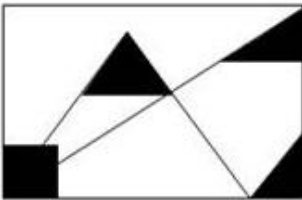
2.



3.



4.



Q.14 JNLO is related to ILIK in a certain way based on the English alphabetical order. In the same way, NRPS is related to MPMO. To which of the following is LPNQ related, following the same logic?

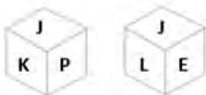
Ans 1. KNKM

2. KMKN

3. KOKM

4. KMKO

Q.15 Six letters E, J, K, L, M and P are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the letter on the face opposite to the face containing M?



Ans 1. J

2. P

3. K

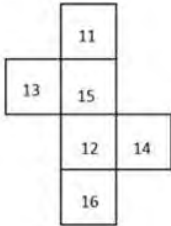
4. E

Q.16 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

ABC_C_CC_DCBG_CA

- Ans 1. ECDC
 2. DCED
 3. EDCE
 4. DCEE

Q.17 What would be the number on the opposite side of '16' if the given sheet is folded to form a cube?



- Ans 1. 11
 2. 14
 3. 15
 4. 13

Q.18 If 'Y' stands for '+', 'N' stands for 'x', 'M' stands for '+' and 'G' stands for '-', what will come in place of the question mark (?) in the following equation?
 100 N 80 G 40 Y 20 M 10 = ?

- Ans 1. 8976
 2. 8008
 3. 5776
 4. 987

Q.19 If 19 February 2004 was a Thursday, then what was the day of the week on 2 March 2019?

- Ans 1. Friday
 2. Monday
 3. Saturday
 4. Thursday

Q.20 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Engage : Involve

- Ans 1. Diverse : Varied
 2. Entirety : Fragment
 3. Secure : Vulnerable
 4. Shrink : Grow

Q.21 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. LIK
 - 2. EBD
 - 3. PMO
 - 4. ROS

Q.22 Select the option that is related to the third number in the same way as the second number is related to the first number.
10 : 26 :: 50 : ?

- Ans
- 1. 344
 - 2. 343
 - 3. 341
 - 4. 342

Q.23 Select the option in which the given figure (X) is embedded. (Rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

KD JOB UPDATES

Q.24 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

B 6	V ↑	N 3	↑ V	
↑ V	6 B	V ↑	3 N	?
O	N N	O 6	B B	6

Ans

1.

B 6	
↑ V	
3	N

2.

B T	
↑ V	
3	N

3.

3 T	
B V	
↑	N

4.

6 V	
B ↑	
3	T

Q.25 What should come in place of the question mark (?) in the given series?

24, 40, 56, 72, ?, 104

Ans 1. 86

2. 88

3. 87

4. 89

Q.1 Rohan can alone finish a work in 12 days and Hari can alone in 16 days. They both work for 3 days and then Rohan left. After that only Hari works and finishes the work. The total work will be completed in:

Ans 1. $12\frac{1}{3}$ days

2. 9 days

3. 12 days

4. $12\frac{2}{3}$ days

Q.2 In a 2 km linear race, if P completes the race in 200 second and Q in 220 seconds, then the distance by which P beats Q is:

- Ans
- 1. $181\frac{9}{11}$ metres
 - 2. $167\frac{6}{11}$ metres
 - 3. $191\frac{7}{11}$ metres
 - 4. $173\frac{7}{11}$ metres

Q.3 A natural number n divides 732 and leaves 12 as a remainder. How many values of n are possible?

- Ans
- 1. 20
 - 2. 16
 - 3. 18
 - 4. 22

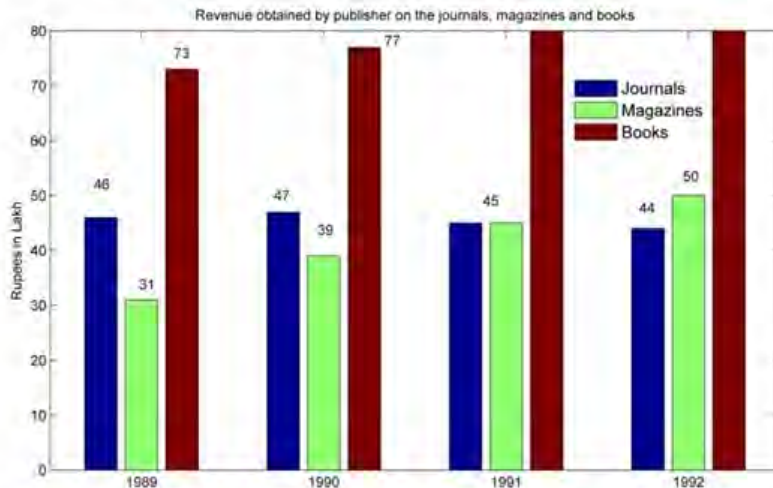
Q.4 If $\cot\alpha = \frac{P}{Q}$, then find the value of $\frac{P\cos\alpha - Q\sin\alpha}{P\cos\alpha + Q\sin\alpha} - \frac{P^2 - Q^2}{P^2 + Q^2} + 3$.

- Ans
- 1. 0
 - 2. 3
 - 3. $\frac{P^2}{P^2 + Q^2}$
 - 4. $\frac{P}{Q}$

Q.5 A trader buys 500 kg cotton for ₹8,000. If 10% of this cotton is spoiled due to rain, at what rate (₹/kg) should he sell the rest to earn a 20% profit?

- Ans
- 1. $21\frac{1}{3}$
 - 2. $23\frac{1}{3}$
 - 3. $22\frac{1}{3}$
 - 4. $25\frac{1}{3}$

Q.6 Answer the following question on the basis of the bar graph given.



The number of years in which there was an increase in the revenue from at least two categories is:

- Ans
- 1. 1
 - 2. 2
 - 3. 3
 - 4. 4

Q.7 The hypotenuse of a right triangle is 6m more than twice the shortest side. If the third side is 2 m less than the hypotenuse, find the area(in m^2) of the triangle.

- Ans
- 1. 110
 - 2. 100
 - 3. 120
 - 4. 130

Q.8 The table shows the percentage distribution of the population (only male and female) according to Gender and Literacy.

State	Percentage literate	Gender	
		Literate	Illiterate
		M : F	M : F
A	55	5 : 6	4 : 5
B	72	1 : 1	3 : 2
C	78	4 : 3	3 : 2

The total population in state C, if the illiterate female count in state C is 4,40,000, is:

- Ans
- 1. 3600000
 - 2. 5000000
 - 3. 4600000
 - 4. 6000000

Q.9 A covered wooden box has the inner measures as 128 cm, 90 cm, 25 cm and the thickness of wood is 5.5 cm. Find the volume of the wood.

- Ans
- 1. 192392 cm³
 - 2. 819832 cm³
 - 3. 329431 cm³
 - 4. 217404 cm³

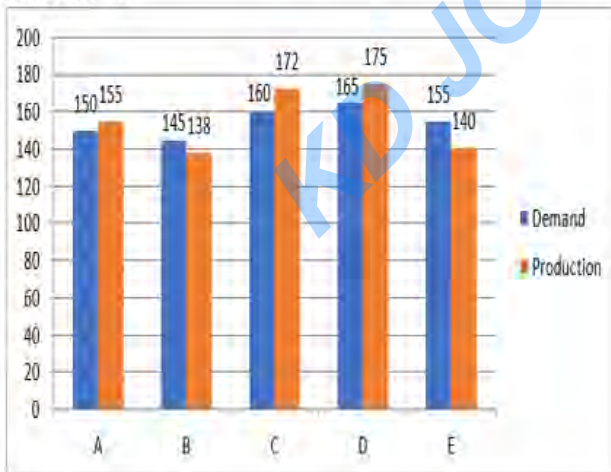
Q.10 A cylinder has a curved surface area equal to 350% of the curved surface area of another cylinder. If their radii are in the ratio 3 : 1, then the volume of the smaller cylinder is approximately _____% of the larger cylinder (the smaller cylinder has its radius and height smaller when compared to the larger).

- Ans
- 1. 10.16
 - 2. 8.86
 - 3. 7.28
 - 4. 9.52

Q.11 Two numbers are, respectively, 30% and 60% more than a third number. The ratio of the two numbers is:

- Ans
- 1. 13 : 16
 - 2. 12 : 13
 - 3. 11 : 15
 - 4. 13 : 17

Q.12 The following graph shows the demand and production of buses of five companies in 2022 (in thousands). Study the given graph carefully and answer the question that follows



The number of companies whose production of buses is equal to or more than the average demand of buses of all five companies is:

- Ans
- 1. 1
 - 2. 2
 - 3. 4
 - 4. 3

Q.13 The marked price of an item is 1.4 times the cost price. In order to earn 23.2% profit, what per cent discount can a shopkeeper allow?

- Ans
- 1. 15%
 - 2. 17%
 - 3. 13%
 - 4. 12%

Q.14 If 6428A83 is divisible by 9, then the value of A is equal to :

- Ans
- 1. 6
 - 2. 5
 - 3. 7
 - 4. 3

Q.15 The length of a rectangular shaped park exceeds its breadth by 15 m. If the perimeter of the park is 110 m, find the length of the park (in m).

- Ans
- 1. 35
 - 2. 40
 - 3. 25
 - 4. 20

Q.16 A person saves 45% of his income. Next year, his income increases by 200%. He increases his savings by five times the previous year's savings. By what percentage (correct to one place of decimal) has he increased/decreased his expenditure?

- Ans
- 1. Increased, 63.4%
 - 2. Increased, 36.4%
 - 3. Decreased, 63.4%
 - 4. Decreased, 36.4%

Q.17 In how much time (in years) will ₹7,200 amount to ₹8,928 at simple interest at the rate of 8% per annum?

- Ans
- 1. 3
 - 2. 4
 - 3. 5
 - 4. 2

Q.18 If lateral surface area of a cube is 144 cm^2 , then find its volume.

- Ans
- 1. 864 cm^3
 - 2. 1728 cm^3
 - 3. 117.58 cm^3
 - 4. 216 cm^3

Q.19 A bigger circle centre at O and a smaller circle centre at P touch each other externally such that the length of their common tangent LM is 12 cm. If the radius of the bigger circle is 18 cm, then what will be the radius (in cm) of the smaller circle?

- Ans
- 1. 2
 - 2. 1
 - 3. 3
 - 4. 4

Q.20 A battery manufacturer manufactures five different types of batteries. The total revenue for the year 2020 is ₹25,00,000 and 20,000 units were exported in 2020. The distribution of revenue and units for the five different types of batteries is shown in the charts.



Which type of the battery provides the highest revenue per unit of export?

- Ans**
- 1. Lead acid
 - 2. Li-ion
 - 3. Sodium
 - 4. M-Air

Q.21 If the areas of three adjacent faces of a cuboid are 5 cm^2 , 15 cm^2 , 27 cm^2 , respectively, the surface area of the cuboid is:

- Ans**
- 1. 75 cm^2
 - 2. 47 cm^2
 - 3. 45 cm^2
 - 4. 94 cm^2

Q.22 In a circle, the chords AB and CD intersect each other at point L (internally). If $AL = 9 \text{ cm}$, $LB = 7 \text{ cm}$ and $LD = 3 \text{ cm}$, then find CL (in cm).

- Ans**
- 1. 18
 - 2. 21
 - 3. 20
 - 4. 19

Q.23 In an election between two candidates, 10% of the voters did not cast their votes and 5% of the votes polled were found invalid. The successful candidate got 52.5% of the valid votes and won by a majority of 1710 votes. The number of voters enrolled on the voters list was:

- Ans**
- 1. 42000
 - 2. 48000
 - 3. 36000
 - 4. 40000

Q.24 In what proportion must tea worth ₹27 and ₹31 per kg be mixed so as to gain 25% by selling the mixture at ₹36 per kg?

- Ans
- 1. 2 : 11
 - 2. 11 : 9
 - 3. 3 : 7
 - 4. 9 : 11

Q.25 Find the length of the sides of a triangle, if its angles are in the ratio 2 : 4 : 6 and its circumradius is 12 cm.

- Ans
- 1. 6cm, $6\sqrt{3}$ cm, 12 cm
 - 2. 5 cm, 6 cm, 10 cm
 - 3. 15 cm, $15\sqrt{3}$ cm, 30 cm
 - 4. 12 cm, $12\sqrt{3}$ cm, 24 cm

Q.1 Identify the INCORRECT pair regarding the material media and their refractive index?

- Ans
- 1. Kerosene – 1.44
 - 2. Benzene – 2.42
 - 3. Sapphire – 1.77
 - 4. Ruby – 1.71

Q.2 Where can you find the options 'From Beginning' and 'From Current Slide' to run a slide show in MS PowerPoint?

- Ans
- 1. Slide Show tab
 - 2. Home tab
 - 3. View tab
 - 4. Slide Sorter tab

Q.3 In November 2022, the Supreme Court upheld the 10% reservation of EWS quota. This EWS reservation was granted on the basis of recommendations from which of the following commissions?

- Ans
- 1. Sarkaria commission
 - 2. Kelkar commission
 - 3. Mandal commission
 - 4. Sinho commission

Q.4 On the 74th republic day of India, President of Egypt, _____ was the Chief Guest at the Republic Day parade.

- Ans
- 1. Muhammad Hosni El Sayed Mubarak
 - 2. Adly Mahmoud Mansour
 - 3. Abdel Fattah El-Sisi
 - 4. Gamal Abdel Nasser Husain

Q.5 The Preamble of the Constitution describes India as:

- Ans**
- 1. an atheist state
 - 2. a unitary state
 - 3. a secular state
 - 4. a federal state

Q.6 Who is known as the Father of Modern Dance in India?

- Ans**
- 1. Kelucharan Mohapatra
 - 2. Uday Shankar
 - 3. Atombapu Sharma
 - 4. Pandit Birju Maharaj

Q.7 The number of white pawns in chess is _____.

- Ans**
- 1. 14
 - 2. 12
 - 3. 8
 - 4. 10

Q.8 Which of the following is a style of Carnatic music?

- Ans**
- 1. Dhamar
 - 2. Chaturang
 - 3. Svarajati
 - 4. Dhruvad

Q.9 Which of the following statements are true about the positive impact of the Green Revolution (GR) on yield levels in India?

- i. During the post GR period, the yield of rice grew at a much faster rate than that of wheat.
- ii. GR technology had penetrated more in wheat crop than in the rice crop.
- iii. During post GR period, the area under rice achieved a relatively slow growth when compared to the area under wheat.

- Ans**
- 1. Only ii and iii
 - 2. Only i and iii
 - 3. Only i and ii
 - 4. i, ii and iii

Q.10 The founder of the Pallava dynasty was:

- Ans**
- 1. Balasimha
 - 2. Simharaj
 - 3. Singhamvishnu
 - 4. Simhavishnu

Q.11 The Press and Periodicals Registration Bill, 2023 replaced which act with a simplified law that decriminalizes various provisions and brings digital media under its ambit?

- Ans
- 1. Newspaper (Incitement to Offences) Act, 1908
 - 2. Censorship of Press Act, 1799
 - 3. Press (Objectionable Matters) Act, 1951
 - 4. Press and Registration of Books Act, 1867

Q.12 Judicial Review, a salient feature of the Constitution of India, has been borrowed from which of the following countries?

- Ans
- 1. The US
 - 2. Ireland
 - 3. South Africa
 - 4. Canada

Q.13 In honey bees, _____

- Ans
- 1. males are haploid and females are diploid.
 - 2. males are tetraploid and females are triploid.
 - 3. males are diploid and females are haploid.
 - 4. males are triploid and females are tetraploid.

Q.14 What should you click to choose the date for sorting in Gmail?

- Ans
- 1. The filter icon
 - 2. The 'Date within' field
 - 3. The '1 Day' dropdown menu
 - 4. The calendar icon

Q.15 Which Act opposed by Mahatma Gandhi in 1919 was a direct attack on the civil liberties and democratic rights of the Indian people?

- Ans
- 1. Criminal Tribes Act
 - 2. Pitt's India Act
 - 3. Rowlatt Act
 - 4. Defence of India Act

Q.16 Oil India Limited (OIL) is under the administrative structure of:

- Ans
- 1. Ministry of Commerce and Industry
 - 2. Ministry of Power
 - 3. Ministry of New and Renewable Energy
 - 4. Ministry of Petroleum and Natural Gas

Q.17 Which of the following organisations said that India CANNOT have a parallel judicial system - one for the rich and the other for the poor?

- Ans
- 1. Gujarat High Court
 - 2. Supreme Court
 - 3. Himachal High Court
 - 4. Kerala High Court

Q.18 Which of the following rivers is called 'Singi Khamban' in Tibet?

- Ans 1. Indus
 2. Brahmaputra
 3. Kosi
 4. Sutlej

Q.19 In which year was MS Dhoni awarded Padma Shri Award?

- Ans 1. 2009
 2. 2010
 3. 2007
 4. 2012

Q.20 Who calculated the approximate location of the planet Neptune by studying gravity-induced disturbances in the motion of Uranus?

- Ans 1. John Couch Adams
 2. Percival Lowell
 3. Johann Gottfried Galle
 4. Urbain-Jean-Joseph Le Verrier

Q.21 In which year was the All India Football Federation (AIFF) formed?

- Ans 1. 1947
 2. 1937
 3. 1957
 4. 1967

Q.22 Which of the following is called the cyclic arrangement of time units in Hindustani Classical music?

- Ans 1. Tala
 2. Raga
 3. Jati
 4. Alap

Q.23 Which of the following refers to the purchase and sale of government securities?

- Ans 1. Bank rate
 2. Open market operations
 3. Reserve ratio
 4. High powered money

Q.24 According to the Census of India-2011, what is the sex ratio (Females per 1000 males) of India?

- Ans 1. 934
 2. 927
 3. 933
 4. 943

Q.25 What was India's population growth rate (in percentage) during 2001-2011?

- Ans**
- 1. 23.87%
 - 2. 24.66%
 - 3. 17.64%
 - 4. 21.54%

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	R K Digital Computer Centre 1
Exam Date	09/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 Identify the error in the given sentence and select the correct sentence from the given options.

This is the story of eight round planets, the few rocks in between, and some comets.

- Ans
- 1. This is story of eight round planets, few rocks in between, and some comets.
 - 2. This is the story of eight round planets, few rocks in between, and some comets.
 - 3. This is the story of eight round planets, a few rocks in between, and some comets.
 - 4. This is a story of eight round planets, few rocks in between, and some comets.

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

It was noticed / that he truthful / answered the questions / raised by the Headmistress.

- Ans
- 1. It was noticed
 - 2. that he truthful
 - 3. raised by the Headmistress.
 - 4. answered the questions

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Everyone have/ to join health orientation/ classes before/ going for trekking.

- Ans
- 1. to join health orientation
 - 2. going for trekking
 - 3. Everyone have
 - 4. classes before

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Our plane / arrived at / the Mumbai airport / at the right time.

- Ans
- 1. arrived at
 - 2. at the right time
 - 3. Our plane
 - 4. the Mumbai airport

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. occupy
 2. had
 3. have
 4. occupies

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. a
 2. about
 3. many
 4. of

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1)_____tenth place in the world and fourth in Asia in plant diversity. There are (2)_____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3)_____ number of flowering plants. The country has many non-flowering plants, (4)_____ as ferns, algae and fungi. India also has approximately 90,000 (5)_____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. total
 2. exact
 3. exactly
 4. nearly

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1) _____ tenth place in the world and fourth in Asia in plant diversity. There are (2) _____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3) _____ number of flowering plants. The country has many non-flowering plants, (4) _____ as ferns, algae and fungi. India also has approximately 90,000 (5) _____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. such
 2. in
 3. for
 4. as

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option to fill in the blanks.

Our country, India, is one of the 12 mega bio-diversity countries of the world. With about 47,000 plant species, India (1) _____ tenth place in the world and fourth in Asia in plant diversity. There are (2) _____ 15,000 flowering plants in India, which account for 6 per cent of the world's (3) _____ number of flowering plants. The country has many non-flowering plants, (4) _____ as ferns, algae and fungi. India also has approximately 90,000 (5) _____ of animals, as well as a rich variety of fish in its fresh and marine waters.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. kind
 2. species
 3. type
 4. specie

Q.10 Select the most appropriate option that can substitute the underlined words in the following sentence.

I consider that every matter must be considered in every point of view.

- Ans 1. on every point
 2. of every point
 3. at every point
 4. from every point

Q.11 Select the most appropriate ANTONYM of the bracketed word in the following sentence to fill in the blank.

Lewis was aggressive, _____ (normal), moody, and brilliantly clever.

- Ans 1. dogmatic
 2. eccentric
 3. selfish
 4. feeble

Q.12 Select the most appropriate synonym of the underlined word.

The sun was shining bright and intense in the sky.

- Ans 1. Weak
 2. Strong
 3. Mild
 4. Subtle

Q.13 Select the most appropriate synonym of the given word.

Attire

- Ans 1. Dress
 2. Theatre
 3. Hotel
 4. Park

Q.14 Select the most appropriate meaning of the given idiom.

Under the weather

- Ans 1. To feel unwell
 2. To work against the weather
 3. To feel secure
 4. To enjoy the weather

Q.15 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Once bitten, thrice shy.

- Ans 1. twice shy
 2. always shy
 3. once shy
 4. never shy

Q.16 Select the most appropriate synonym of the given word.

Hypocrisy

- Ans 1. Deceit
 2. Truth
 3. Sincerity
 4. Harm

Q.17 Select the option that can substitute the bracketed word segment meaningfully.

Writing can instil a number of emotions (as in a reader).

- Ans 1. within a reader
 2. among a reader
 3. instead a reader
 4. until a reader

Q.18 Select the most appropriate option to fill in the blank.

I am scared of snakes; likewise, you are _____ of lizards.

- Ans 1. fond
 2. passionate
 3. critical
 4. fearful

Q.19 Select the sentence which gives the most appropriate meaning of the given idiom.
A piece of cake

- Ans 1. After months of practice, Emily performed her piano piece flawlessly during the concert.
2. Despite the heavy rain, they managed to have a successful outdoor event.
3. The puzzle was so challenging that it took hours for Sam to solve it.
4. The restaurant was crowded, but they found a table without any difficulty.

Q.20 Select the most appropriate synonym of the given word.

Bliss

- Ans 1. Consecration
2. Genesis
3. Avail
4. Pleasure

Q.21 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The dog was agitated and bit the child.

- Ans 1. nerveless
2. serene
3. steady
4. quiescent

Q.22 Select the most appropriate option that can substitute the underlined segment in the given sentence.
She finished her quickly breakfast and rushed to school.

- Ans 1. her breakfast finished quickly
2. quickly her breakfast finished
3. finished her breakfast quickly
4. finished breakfast hers quickly

Q.23 Select the most appropriate option to fill in the blank.

I have observed that there is proper natural _____ even at 6 o'clock on summer mornings.

- Ans 1. light
2. gleam
3. lucent
4. sparkle

Q.24 There is a spelling error in the given sentence. Select the option that contains the INCORRECTLY spelt word.
He was thrilled when he heard about there journey to wonderland.

- Ans 1. thrilled
2. heard
3. there
4. journey

Q.25 Select the INCORRECTLY spelt word.

- Ans 1. Condimnation
 2. Imprisonment
 3. Conglomerate
 4. Intermingled

Q.1 If 25 October 2004 was Monday, then what was the day of the week on 2 November 2007?

- Ans 1. Thursday
 2. Wednesday
 3. Saturday
 4. Friday

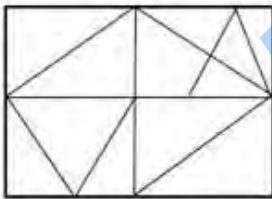
Q.2 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans 1. DGK
 2. ILO
 3. NQU
 4. JMQ

Q.3 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 428?

- Ans 1. 113 B 4 A 62 D 2 C 7
 2. 113 A 4 D 62 B 2 C 7
 3. 113 B 4 C 62 A 2 D 7
 4. 113 B 4 D 62 A 2 C 7

Q.4 How many triangles are there in the given figure?



- Ans 1. 10
 2. 11
 3. 17
 4. 12

Q.5 If 29 July 2001 is Sunday, then what will be the day of the week on 20 February 2015?

- Ans 1. Tuesday
 2. Monday
 3. Sunday
 4. Friday

Q.6 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$98 - 14 \times 11 + 6 \div 23 = ?$$

- Ans**
- 1. 56
 - 2. 52
 - 3. 55
 - 4. 50

Q.7 $\left[\frac{17}{41}\right]$ is related to $\left[\frac{34}{41}\right]$ following a certain logic. Following the same logic, $\left[\frac{11}{85}\right]$ is related to $\left[\frac{22}{85}\right]$. To which of the following is $\left[\frac{13}{77}\right]$ related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans**
- 1. $\left[\frac{24}{75}\right]$
 - 2. $\left[\frac{29}{77}\right]$
 - 3. $\left[\frac{26}{77}\right]$
 - 4. $\left[\frac{23}{77}\right]$

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Q.8 Identify the figure given in the options which when put in place of ? will logically complete the series.

@	#	-	+	
	@	#	-	?
#	-	-	+	+
		@	@	#

Ans

✓ 1.

@	
	+
#	-

✗ 2.

-	
	@
+	#

✗ 3.

#	
	+
-	@

✗ 4.

@	
	-
#	+

Q.9 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(180, 45, 90)

(128, 32, 64)

Ans ✓ 1. (224, 56, 112)

✗ 2. (186, 46, 93)

✗ 3. (248, 60, 124)

✗ 4. (170, 43, 85)

Q.10 In a certain code language

A + B means 'A is the mother of B'

A - B means 'A is the brother of B'

A × B means 'A is the wife of B'

A ÷ B means 'A is the father of B'

Based on the above, how is G related to K if 'G + J ÷ H × I - K'?

Ans 1. Brother's wife's sister

2. Brother's wife's mother

3. Brother's wife's father's mother

4. Brother's wife's father's sister

Q.11 Which of the following numbers will replace the question mark (?) in the given series?

7 13 39 46 138 146 438 447 ?

Ans 1. 1138

2. 1146

3. 1341

4. 1247

Q.12 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All dresses are clouds.

Some clouds are tables.

Some tables are stones.

Conclusion (I): All stones are dresses.

Conclusion (II): Some dresses are tables.

Ans 1. Only conclusion (II) follows.

2. Neither conclusion (I) nor (II) follows.

3. Both conclusions (I) and (II) follow.

4. Only conclusion (I) follows.

Q.13 What should come in place of the question mark (?) to complete the following letter-cluster series?

UME, OPG, ISJ, EVN, ?

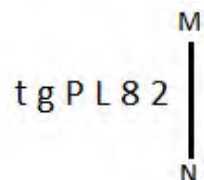
Ans 1. BYS

2. AXS

3. AYS

4. AYR

Q.14 Select the correct mirror image of the given figure when the mirror is placed at MN.



Ans 1. 7 8 7 d 8 1

2. 5 8 J 9 g t

3. 7 8 J 9 g t

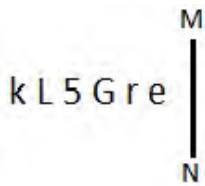
4. 5 8 7 d g t

Q.15 Which of the following numbers will replace the question mark (?) in the given series?

$[\frac{37}{5}]$, $[\frac{32}{5}]$, $[\frac{27}{5}]$, $[\frac{22}{5}]$, $[\frac{17}{5}]$, ?

- Ans
- 1. $[\frac{14}{5}]$
 - 2. $[\frac{9}{5}]$
 - 3. $[\frac{16}{5}]$
 - 4. $[\frac{12}{5}]$

Q.16 Select the correct mirror image of the given figure when the mirror is placed at MN.



- Ans
- 1. eR2Grēk
 - 2. kL5Grē
 - 3. eR2Grēk
 - 4. kL5Grē

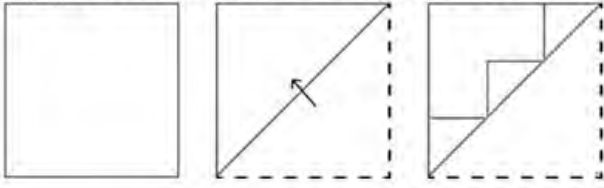
Q.17 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
ACW, FHB, KMG, PRL, ?

- Ans
- 1. VQW
 - 2. UWQ
 - 3. UQW
 - 4. VWQ

Q.18 'STEM' is related to 'HGVN' in a certain way based on the English alphabetical order. In the same way, 'QUIT' is related to 'JFRG'. To which of the following is 'ACCOUNTABLE' related, following the same logic?

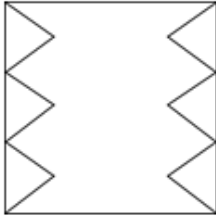
- Ans
- 1. ZXXLFMZGYOV
 - 2. ZXXLFMGZYOU
 - 3. ZXXLFMGZYO
 - 4. ZXXFLMGZYO

Q.19 A paper is folded and cut as shown below. How will it appear when unfolded?

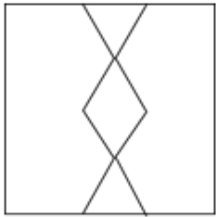


Ans

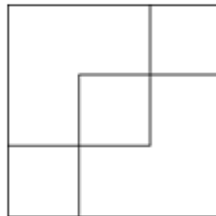
1.



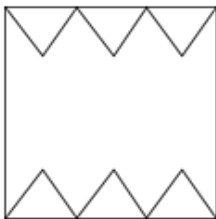
2.



3.



4.



Q.20 What should come in place of the question mark (?) in the given series?
58, 73, 90, 109, ?

- Ans**
- 1. 301
 - 2. 310
 - 3. 103
 - 4. 130

Q.21 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Trim : Hair

- Ans**
- 1. Harvest : Corn
 - 2. Pluck : Flower
 - 3. Prune : Hedge
 - 4. Clip : Clothes

Q.22 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$216 \times 9 + 52 - 7 \div 7 = ?$$

Ans 1. 21

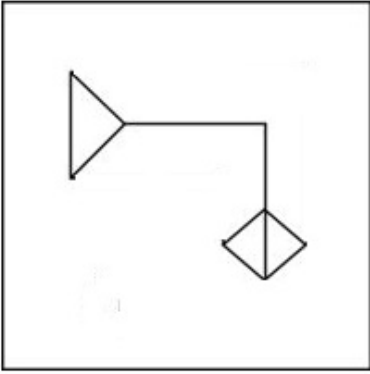
2. 19

3. 20

4. 22

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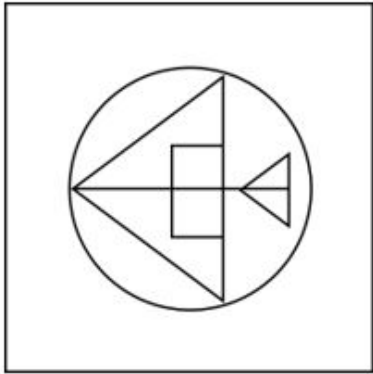
Q.23 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



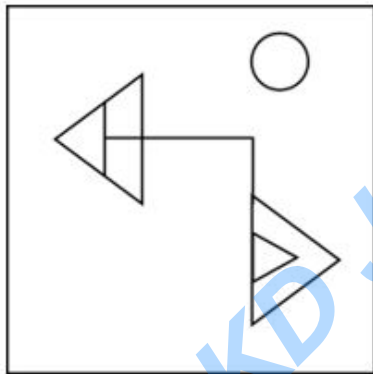
(X)

Ans

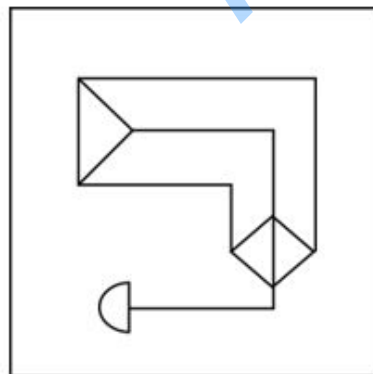
1.

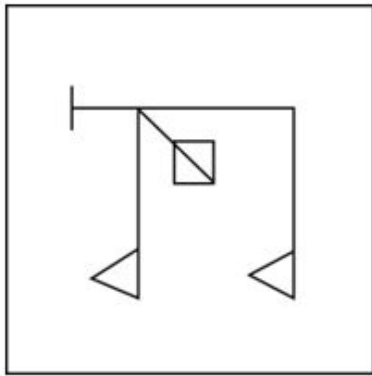


2.



3.





4.

Q.24 In a certain code language, 'get enough sleep' is coded as 'ab de jf' and 'go get it' is coded as 'jk ab gh'. How is 'get' coded in that language?

- Ans**
- 1. jf
 - 2. ab
 - 3. de
 - 4. jk

Q.25 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans**
- 1. vɔʃeεjJ
 - 2. vɔʃeεjJ
 - 3. vɔʃ9ljJ
 - 4. vɔʃeεjJ

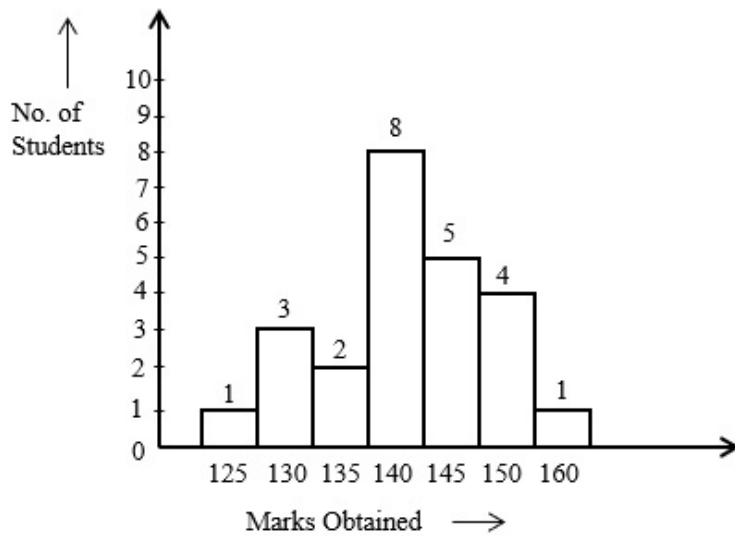
Q.1 If the intersection point of the equations $3p - 2q + 23 = 0$ and $-2p + q - 13 = 0$ on the graph is (p, q) , then the value of $(3p + q)$ is equal to:

- Ans**
- 1. -1
 - 2. -2
 - 3. 2
 - 4. 1

Q.2 The total income of three families is ₹72,000. Their expenditures are 80%, 85% and 75%, respectively. If the savings are in the ratio 8 : 9 : 20, then the income of the second family is:

- Ans**
- 1. ₹40,000
 - 2. ₹32,000
 - 3. ₹24,000
 - 4. ₹16,000

Q.3 Study the given bar-graph and answer the question that follows.



How many students obtained more than 135 marks?

- Ans
- 1. 17
 - 2. 19
 - 3. 13
 - 4. 18

Q.4 30 men working 5 hours a day can do work in 18 days. In how many days will 20 men working 7 hours a day do the same work?

- Ans
- 1. $19\frac{2}{7}$
 - 2. $13\frac{1}{7}$
 - 3. $16\frac{5}{7}$
 - 4. $11\frac{3}{7}$

Q.5 If a sum of ₹3,260 on simple interest amounts to ₹5,420 in 6 years, then what will this sum amount to in 4 years at the same rate of interest?

- Ans
- 1. ₹4,500
 - 2. ₹3,700
 - 3. ₹4,700
 - 4. ₹3,900

Q.6 What is the value of the following expression?

$$\left(24 \div 3 \text{ of } \frac{1}{6}\right) \times \left(\frac{4}{5} \div \frac{9}{8} \times \frac{3}{5}\right) \div \left(\frac{4}{7} \div \frac{3}{14} \text{ of } \frac{3}{14}\right)$$

- Ans**
1. $\frac{379}{179}$
2. $\frac{579}{459}$
3. $\frac{363}{553}$
4. $\frac{288}{175}$

Q.7 The following table shows the number of employees working in four organisations during six years. Answer the questions that follow.

Organization	Year					
	2010	2011	2012	2013	2014	2015
X	52	82	62	34	68	76
Y	105	80	120	160	95	100
Z	103	86	88	212	180	129
T	153	221	128	126	97	106

What is the average number of employees in organisations Y, Z and T in 2013?

- Ans**
1. 168
2. 166
3. 170
4. 172

Q.8 A closed cylindrical tank of radius 1.5 m and height 3 m is made from a sheet of metal, how much sheet of metal is required to do it?

- Ans**
1. 42.24 square metre
2. 24.24 square metre
3. 42.42 square metre
4. 24.42 square metre

Q.9 PQ is the diameter of a circle with centre O. PT is a tangent touching the circle at P. The secant QT intersects the circle at S. O and S are joined. If $\angle SOP = 104^\circ$, what is the measure (in degrees) of $\angle PTQ$?

- Ans**
1. 45
2. 62
3. 76
4. 38

Q.10 If Ramu's salary is 30% less than Somu's salary, then by how much percent is Somu's salary more than Ramu's salary?

- Ans
- 1. 45.47%
 - 2. 34.56%
 - 3. 42.67%
 - 4. 42.86%

Q.11 PQ and RS are two chords of a circle such that PQ = 12 cm and RS = 20 cm and PQ is parallel to RS. If the distance between PQ and RS is 4 cm, find the diameter of the circle.

- Ans
- 1. $4\sqrt{34}$ cm
 - 2. $2\sqrt{34}$ cm
 - 3. $3\sqrt{34}$ cm
 - 4. $6\sqrt{34}$ cm

Q.12 If $\tan \theta = \frac{7}{4}$, then the value of $\frac{4 \sin \theta - 3 \cos \theta}{4 \sin \theta + 3 \cos \theta}$ is equal to:

- Ans
- 1. $\frac{3}{5}$
 - 2. $\frac{1}{3}$
 - 3. $\frac{2}{5}$
 - 4. $\frac{4}{5}$

Q.13 $\triangle XYZ$ is similar to $\triangle PQR$. If the ratio of the perimeter of $\triangle XYZ$ to the perimeter of $\triangle PQR$ is 16 : 9 and PQ = 3.6 cm, then what is the length (in cm) of XY?

- Ans
- 1. $3\frac{4}{5}$
 - 2. $2\frac{3}{5}$
 - 3. $6\frac{2}{5}$
 - 4. $4\frac{3}{5}$

Q.14 Simply the following expression.

$$469 \div [270 \div (\frac{3}{7} \times 35) + (19 \times 3) - (\frac{21}{2} - \frac{5}{2})]$$

Ans 1. 7

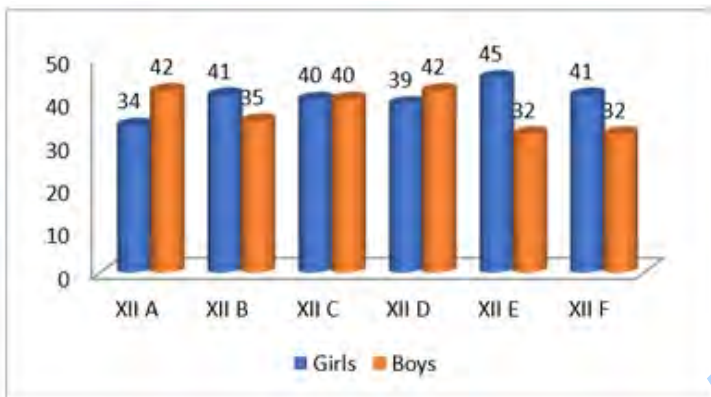
2. 11

3. 13

4. 9

Q.15 Study the given bar-graph and answer the question that follows.

The bar-graph represents the number of boys and girls in different sections of class 12.



The average number of girls in each section is:

Ans 1. 42

2. 40

3. 43

4. 37

Q.16 A part of the journey is covered in 22.5 minutes at a speed of 68 km/h and the remaining part in 12 minutes at a speed of 72 km/h. The total distance of the journey is (to the nearest integer):

Ans 1. 35 km

2. 42 km

3. 38 km

4. 40 km

Q.17 The average salary of a group of 12 employees in an institution is ₹3,950 per month and that of another group of employees is ₹1,850. If the average salary of all employees is ₹2,150, then the total number of employees is:

Ans 1. 84

2. 100

3. 88

4. 72

Q.18 Two cubes have their volumes in the ratio 1 : 125. Find the ratio of their surface areas.

Ans 1. 1 : 125

2. 1 : 25

3. 1 : 5

4. 25 : 1

Q.19 Consider AD is a tangent to a circle of radius 6 cm. AC is a secant meeting the circle at B and CD is a diameter. If AB is 7 cm, then the value of AC (in cm) is:

- Ans 1. 16
 2. 20
 3. 9
 4. 18

Q.20 A shopkeeper allows a discount of 22% to his customers and still gains 36%. Find the marked price (in ₹) of an article which costs ₹1,092 to the shopkeeper.

- Ans 1. 1,792
 2. 2,024
 3. 1,904
 4. 1,872

Q.21 How many cubes of edge 15 cm can be put in a cubical box of 3 m edge?

- Ans 1. 8000
 2. 2000
 3. 1050
 4. 9000

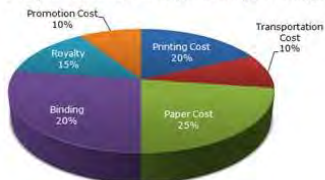
Q.22 A number is first decreased by 18% and the resulting number is then increased by 25%. What is the overall percentage change in the original number?

- Ans 1. Decrease by 3.5%
 2. Increase by 2.5%
 3. Decrease by 2.5%
 4. Increase by 3.5%

Q.23 A dishonest dealer professes to sell his goods at the cost price, but he uses a false weight of 850 grams per 1 kg weight. Find the percentage of his gain. (Correct up to two decimal places)

- Ans 1. 17.56%
 2. 17.65%
 3. 17.45%
 4. 17.54%

Q.24 The pie chart below depicts the percentage distribution of the costs associated with publishing a book.



What will be the royalty rate for these books if the publisher is required to pay Rs.30,600 in printing costs for a specific number of volumes?

- Ans 1. Rs.21,200
 2. Rs.19,450
 3. Rs.26,150
 4. Rs.22,950

Q.25 The age of a tree depends on the number of rings in the trunk. The value of a such tree is proportional to its age. If a tree with 40 rings and 50 years of age has a value of ₹50,000, then a tree with 30 rings is ____ years of age and its value is ₹_____.

- Ans**
- 1. 37.5, 57500
 - 2. 37.5, 37500
 - 3. 57.5, 37500
 - 4. 57.5, 57500

Q.1 The Mundra Thermal Power Plant is located in which district of Gujarat?

- Ans**
- 1. Jamnagar
 - 2. Kutch
 - 3. Kheda
 - 4. Gandhinagar

Q.2 Select the musical instrument which is NOT played by way of percussion or NOT played by way of striking any object?

- Ans**
- 1. Pakhawaj
 - 2. Drum
 - 3. Tabla
 - 4. Shehnai

Q.3 BVR Subrahmanyam was appointed as the _____, in February 2023.

- Ans**
- 1. Chairman of UPSC
 - 2. CEO of NITI Aayog
 - 3. CEO of IBRD
 - 4. Chairman of NITI Aayog

Q.4 India's first indigenous Aircraft Carrier, _____, conducted its maiden sea travel in August 2021 marking a significant step towards making military equipment in India.

- Ans**
- 1. INS Vayudooth
 - 2. INS Swades
 - 3. INS Kranti
 - 4. INS Vikrant

Q.5 Who founded the Bombay Presidency Association in 1885 along with Pherozezshah Mehta and KT Telang?

- Ans**
- 1. AK Fazlul Haq
 - 2. Badruddin Tyabji
 - 3. Behramji M Malabari
 - 4. Zakir Husain

Q.6 Which of the following is a cyclic arrangement of time units in Hindustani classical music?

- Ans 1. Jati
 2. Nyasa
 3. Tala
 4. Raga

Q.7 Which keyboard key is used to jump the cursor to the next cell of the table in MS Word?

- Ans 1. Tab
 2. Home
 3. Ctrl
 4. Shift

Q.8 Match the items in List I with those in List II.

List I

- i. Garibi Hatao
 ii. LPG policies
 iii. Rolling Plan
 iv. Growth with justice and equity

List II

- a. Fifth Five-Year Plan
 b. Ninth Five-Year Plan
 c. 1978-80
 d. Eighth Five-Year Plan

- Ans 1. i-a, ii-d, iii-c, iv-b
 2. i-c, ii-b, iii-d, iv-a
 3. i-b, ii-c, iii-d, iv-a
 4. i-c, ii-d, iii-a, iv-b

Q.9 How many languages are included in the Eighth Schedule of the Constitution of India as scheduled languages?

- Ans 1. 22
 2. 24
 3. 23
 4. 21

Q.10 What is the keyboard shortcut for opening a blank new document in MS-Word?

- Ans 1. Ctrl + S
 2. Ctrl + N
 3. Ctrl + B
 4. Ctrl + C

Q.11 The Bhotia dance form is a folk-dance from which of the following Indian states?

- Ans
- 1. Odisha
 - 2. Goa
 - 3. Tamil Nadu
 - 4. Uttarakhand

Q.12 If an object of mass 2 kg is dropped from a height of 10 metres, what will be the ratio of its potential energy and kinetic energy at the height of 5 metres ($g=10\text{m/sec}^2$)

- Ans
- 1. 1:2
 - 2. 4:1
 - 3. 1:1
 - 4. 1:4

Q.13 In which year was the 15th National Census Survey of India conducted?

- Ans
- 1. 2001
 - 2. 2011
 - 3. 2021
 - 4. 1991

Q.14 Easter is a religious festival of:

- Ans
- 1. Hindus
 - 2. Christians
 - 3. Buddhists
 - 4. Sikhs

Q.15 Who was the founder of the Bahmani Sultanate?

- Ans
- 1. Muhammad Shah
 - 2. Feroz Shah Bahmani
 - 3. Muhammad Bin Tughlaq
 - 4. Alauddin Hasan Bahman Shah

Q.16 Which of the following is NOT a way to acquire citizenship in India?

- Ans
- 1. Incorporation of territory
 - 2. Renunciation
 - 3. Registration
 - 4. Birth

Q.17 With reference to the Directive Principles of State policy contained in the Constitution of India, which of the following statements is/are correct?

1. Article 37 of the Constitution of India provides that the Directive Principles of State Policy are enforceable in the High Courts only.
2. Article 38 provides that the State shall strive to minimise the inequalities in income amongst individuals and groups of people.
3. Article 39 provides that the State shall direct its policy towards securing that there is equal pay for equal work for both men and women.

Ans 1. Only 2 and 3

2. Only 1 and 3

3. Only 2

4. Only 1

Q.18 Which city will host 2028 Olympics games?

Ans 1. Boston, USA

2. Los Angeles, USA

3. San Diego, USA

4. New York, USA

Q.19 In March 2023, Rashmi Shukla was appointed as the Director General of which organisation?

Ans 1. Sashastra Seema Bal

2. Border Security Force

3. Central Reserve Police Force

4. Indo-Tibetan Border Police

Q.20 Which of the following statements is/are correct

- I – Maximum National Parks in India are located in the state of Madhya Pradesh.
- II – Mudumalai National Park is located in Kerala.
- III – The Salim Ali Centre for Ornithology and Natural History is located in Tamil Nadu.

Ans 1. Both I and II are correct

2. Both I and III are correct

3. Only III is correct

4. Only I is correct.

Q.21 Which of the following is NOT a mutation-based disease?

Ans 1. Malaria

2. Down syndrome

3. Sickle cell anaemia

4. Phenylketonuria

Q.22 Which of the following countries was the host of the ICC World Test Championship Cricket final played between India and New Zealand from 18-23 June 2021?

Ans 1. India

2. Australia

3. South Africa

4. England

Q.23 Rotating Savings and Credit Association (ROSCA) was introduced by Shirley Ardener in the year _____.

- Ans**
- 1. 1964
 - 2. 1970
 - 3. 1963
 - 4. 1955

Q.24 What is the penalty for a wide ball in cricket?

- Ans**
- 1. A free hit
 - 2. One run
 - 3. Six runs
 - 4. Four runs

Q.25 The point in the orbit of an object (such as a satellite) orbiting the earth that is at the greatest distance from the centre of the earth is known as:

- Ans**
- 1. perigee
 - 2. apogee
 - 3. perihelion
 - 4. aphelion

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ 2 Sector 62
Exam Date	09/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The workers called out / the strike because / the management acceded to / all their demands.

- Ans**
- 1. all their demands
 - 2. the strike because
 - 3. The workers called out
 - 4. the management acceded to

Q.2 Select the most appropriate option that can substitute the underlined segment in the given sentence.
Mahima is as smarter as Shilpi.

- Ans**
- 1. more smart as
 - 2. smartest than
 - 3. as smart as
 - 4. most smart as

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.
She / did not watched / Frankenstein / last night.

- Ans**
- 1. did not watched
 - 2. Frankenstein
 - 3. last night.
 - 4. She

Q.4 The given sentence is divided into four segments. Identify the segment that contains a grammatical error.
A company can / make money by / obtain resources / more affordably.

- Ans**
- 1. more affordably.
 - 2. make money by
 - 3. obtain resources
 - 4. A company can

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. most occasionally
 2. more likely
 3. most easily
 4. more easily

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. credit
 2. luxury
 3. result
 4. subject

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. self's
 2. worker's
 3. fellow's
 4. victim's

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. irrationality
 2. capacity
 3. popularity
 4. audacity

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Conversation is indeed the (1)_____ teachable of all arts. All you need to do in order to become a good conversationalist is to find a (2)_____ that interests you and your listeners. But the important thing is that you must talk about the other (3)_____ hobby rather than your own. Therein lies the secret of your (4)_____. Talk to your friends about the things that interest them, and you will get a reputation for good fellowship, charming wit, and a brilliant mind. There is nothing that (5)_____ people so much as your interest in their interest.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. admits
 2. pleases
 3. advances
 4. accompanies

Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Professor Singh is not in the office today. I ask you try call him tomorrow.

- Ans 1. suggest you try calling
 2. ask you to try called
 3. am suggesting you calling
 4. asked you to call

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Bill Gates' fortune was bequeathed for the old age home.

- Ans 1. to the old age home
 2. into the old age home
 3. by the old age home
 4. with the old age home

Q.12 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.
He never (talks) the truth.

- Ans 1. narrates
 2. declares
 3. speaks
 4. utters

Q.13 Select the INCORRECTLY spelt word in the given sentence.
The ministir ordered the engineers to build roads through high mountains and bridges across deep ravines in a week.

- Ans 1. Ministir
 2. Bridges
 3. Engineers
 4. Ravines

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
The small size of his store makes it impossible for him to stock all the items.

- Ans 1. made them impossible
 2. No substitution required
 3. making it impossible
 4. is made it impossible

Q.15 Select the most appropriate option to correct the sentence by using the proper meaning of the underlined word.
He scores good marks in exams as he is quite meticulous.

- Ans 1. Careful
 2. Intelligent
 3. Lazy
 4. Selective

Q.16 Select the most appropriate ANTONYM of the underlined word.

The poet was lost in a reverie.

- Ans 1. Daydream
 2. Trance
 3. Fantasy
 4. Reality

Q.17 Select the most appropriate meaning of the given idiom.

A wild goose chase

- Ans 1. On a hunt
 2. Fruitful search
 3. Fruitless search
 4. Ideal seeking

Q.18 Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.

The meeting was brought to a _____ (rapid) conclusion.

- Ans
- 1. grim
 - 2. stubborn
 - 3. pervious
 - 4. hasty

Q.19 The given sentence is divided into four segments. Identify the segment that contains a spelling error.

When the famous businessman / faced a huge loss / in his business, / no one expressed simpathy.

- Ans
- 1. no one expressed simpathy
 - 2. When the famous businessman
 - 3. in his business
 - 4. faced a huge loss

Q.20 Select the most appropriate synonym of the underlined word.

The girl tried to alleviate her brother's problem.

- Ans
- 1. increase
 - 2. soar
 - 3. worsen
 - 4. reduce

Q.21 Select the most appropriate synonym of the underlined word.

John is very generous; he regularly gives alms to the poor.

- Ans
- 1. great
 - 2. popular
 - 3. kind
 - 4. shrewd

Q.22 Select the most appropriate ANTONYM of the underlined word.

The encounter made the audience squirm.

- Ans
- 1. Speak
 - 2. Pray
 - 3. Relax
 - 4. Chat

Q.23 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The coach was optimistic that Ronald will play the quarter final.

- Ans
- 1. Doubtful
 - 2. Tasteful
 - 3. Cheerful
 - 4. Helpful

Q.24 Select the most appropriate option to fill in the blank.

I would like to reach the _____ of the Everest.

- Ans** 1. peak
 2. pike
 3. pick
 4. peek

Q.25 Select the most appropriate meaning of the given idiom.

An old head on young shoulders

- Ans** 1. A person who is slow at understanding things.
 2. A young person who acts or speaks like an older person.
 3. A young person who is lazy.
 4. A young person who looks old.

Q.1 If 22 March 2000 is a Wednesday, then what will the day of the week on 16th January 2010?

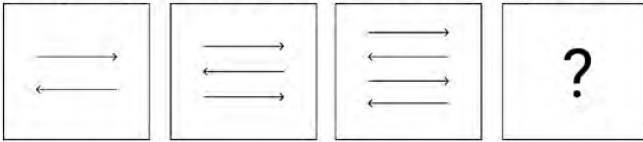
- Ans** 1. Saturday
 2. Sunday
 3. Wednesday
 4. Tuesday

Q.2 What should come in place of '?' in the given series?

126 1236 12336 123336 1233336 ?

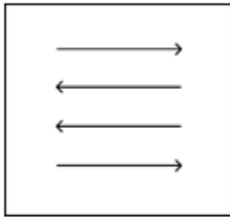
- Ans** 1. 12333336
 2. 12333363
 3. 12333366
 4. 1233633

Q.3 Identify the figure given in the options which when put in place of ? will logically complete the series.

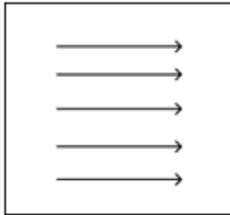


Ans

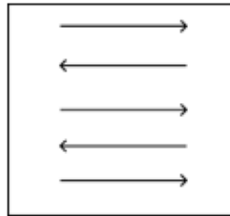
1.



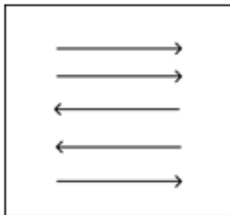
2.



3.



4.



Q.4 This question consists of a pair of words which have a certain relationship to each other. Select the pair which does NOT have the same relationship.

- Smart : Intelligent
 1) Liable : Accountable
 2) Modest : Humble
 3) Nimble : Sluggish
 4) Outbreak : Eruption

Ans 1. 1

2. 4

3. 2

4. 3

Q.5 EHJL is related to FJMP in a certain way based on the English alphabetical order. In the same way, BEGI is related to CGJM. To which of the following is DGIK related, following the same logic?

Ans 1. EIJO

2. EJIO

3. EILO

4. ELIO

Q.6 In a certain code language, 'if you are' is coded as 'go so lu' and 'where are you' is coded as 'so lu ga'. What is the code for 'where' in that language?

- Ans**
- 1. go
 - 2. lu
 - 3. so
 - 4. ga

Q.7 If 19 February 2014 was Wednesday, then what was the day of the week on 19 February 2022?

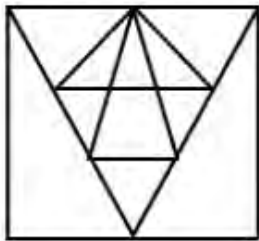
- Ans**
- 1. Tuesday
 - 2. Thursday
 - 3. Saturday
 - 4. Wednesday

Q.8 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

$$222 \text{ A } 2 \text{ C } 7 \text{ B } 3 \text{ D } 11 = ?$$

- Ans**
- 1. 141
 - 2. 131
 - 3. 111
 - 4. 121

Q.9 How many triangles are there in the following figure?



- Ans**
- 1. 20
 - 2. 18
 - 3. 21
 - 4. 19

Q.10 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AEO, XAM, UWK, RSI, ?

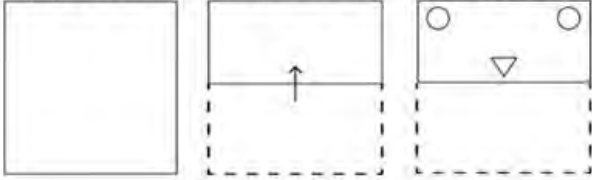
- Ans**
- 1. MNH
 - 2. OOG
 - 3. NMF
 - 4. LMH

Q.11 Which of the following numbers will replace the question mark (?) in the given series?

86 129 105 118 124 107 143 96 ?

- Ans
- 1. 149
 - 2. 153
 - 3. 138
 - 4. 162

Q.12 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

- 1.
- 2.
- 3.
- 4.

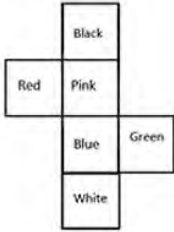
Q.13 Which two numbers should be interchanged to make the given equation correct?

$$29 + 46 - (48 \div 4) + (7 \times 3) - 26 = 61$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 46 and 26
 - 2. 46 and 48
 - 3. 26 and 29
 - 4. 4 and 3

Q.14 What would be the word on the opposite side of 'Green' if the given sheet is folded to form a cube?



- Ans
- 1. Pink
 - 2. Red
 - 3. White
 - 4. Black

Q.15 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(120, 8, 15)

(144, 24, 6)

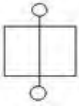
- Ans
- 1. (106, 4, 26)
 - 2. (124, 6, 21)
 - 3. (115, 23, 5)
 - 4. (134, 22, 6)

Q.16 What will come in the place of '?' in the following equation if '+' and '÷' are interchanged and '×' and '-' are interchanged?

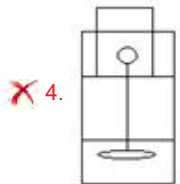
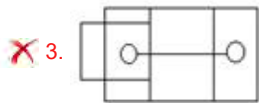
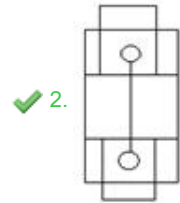
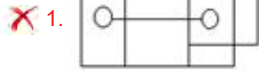
$$36 - 42 \div 26 + 13 \times 14 = ?$$

- Ans
- 1. 1200
 - 2. 1324
 - 3. 3467
 - 4. 1500

Q.17 Select the option in which the given figure is embedded. (Rotation is NOT allowed.)



Ans



Q.18 Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

JKL, LHP, NET, ?, RYB, TVF

- Ans**
- 1. RAL
 - 2. COL
 - 3. POF
 - 4. PBX

Q.19 In a certain code language, 'future is bright' is coded as 'pl mk ni' and 'bright shooting star' is coded as 'dg rz pl'. How is 'bright' coded in that language?

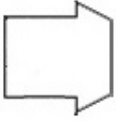
- Ans**
- 1. ni
 - 2. dg
 - 3. pl
 - 4. mk

Q.20 242 is related to 22 following a certain logic. Following the same logic, 385 is related to 35. To which of the following is 572 related following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

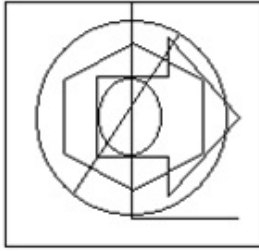
- Ans**
- 1. 50
 - 2. 52
 - 3. 54
 - 4. 56

Q.21 Select the option in which the given figure is embedded. (Rotation is NOT allowed).

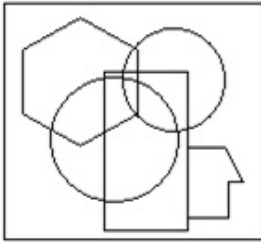


Ans

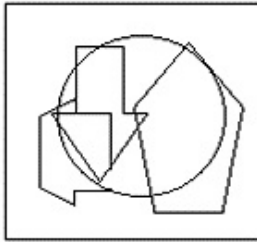
✓ 1.



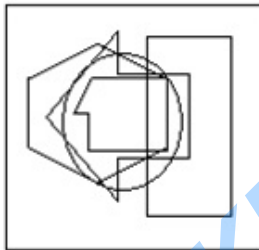
✗ 2.



✗ 3.



✗ 4.



Q.22 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No cloud is a mountain.

All mountains are rivers.

All rivers are oceans.

Conclusions:

(I) All rivers can never be clouds.

(II) All mountains are oceans.

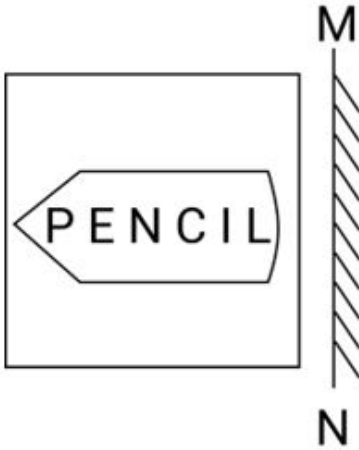
Ans ✓ 1. Both conclusions I and II follow

✗ 2. None of the conclusions follow

✗ 3. Only conclusion I follows

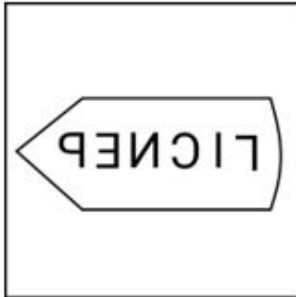
✗ 4. Only conclusion II follows

Q.23 Select the correct mirror image of the given figure when the mirror is placed at MN.

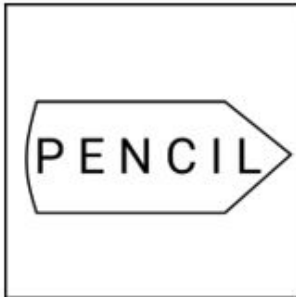


Ans

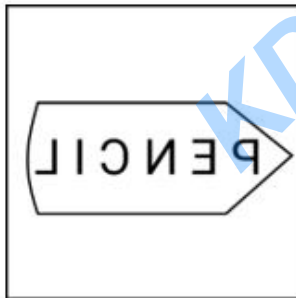
1.



2.



3.



4.



Q.24 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. QRJI
 - 2. JKQP
 - 3. DEVV
 - 4. OPMK

Q.25 In a certain code language,
'A@B' means 'A is the husband of B',
'A#B' means 'A is the mother of B',
'A&B' means 'A is the daughter of B',
'A\$B' means 'A is the brother of B'.
Based on this, how is P related to M, if 'M & N @ O # P \$ Q'?

- Ans
- 1. Father
 - 2. Son
 - 3. Brother
 - 4. Father's brother

Q.1 The lines $x+y = 10$ and $-3x+y = 2$ have a unique solution. What is the distance (in units) between the unique solution and the point of intersection of the line $x+y = 10$ and the x-axis?

- Ans
- 1. $10\sqrt{2}$
 - 2. $8\sqrt{2}$
 - 3. 10
 - 4. 8

Q.2 Read the given information and answer the question that follows.
The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.
The number in the brackets gives the maximum marks in each subject.

Student	Subject (Max. Marks)					
	Maths (150)	Chemistry (130)	Physics (120)	Geography (100)	History (60)	Computer Science (40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

What is the median raw score of the marks obtained by the seven students in Chemistry?

- Ans
- 1. 65
 - 2. 84.5
 - 3. 81.25
 - 4. 62.5

Q.3 An amount invested fetched a total simple interest of ₹4,050 at the rate of 9% per annum in 5 years. What is the amount invested (in ₹)?

- Ans
- 1. 9,050
 - 2. 7,500
 - 3. 8,300
 - 4. 9,000

Q.4 The value of $\frac{5+7 \times 5 \div 8 \text{ of } 5+3 \div 3 \times 5}{6 \div 6 \text{ of } 4+9 \times 9 \div 3 \times 2 \times 2}$ is:

- Ans
- 1. $\frac{67}{859}$
 - 2. $\frac{87}{866}$
 - 3. $\frac{97}{881}$
 - 4. $\frac{77}{861}$

Q.5 Find the equation of the sphere having centre (-1,2,-3) and the radius of 3 units.

- Ans
- 1. $x^2 + y^2 + z^2 + 2x - 4y + 6z + 5 = 0$
 - 2. $x^2 + y^2 + z^2 - x + 2y - 3z + 5 = 0$
 - 3. $x^2 + y^2 + z^2 - 2x + 4y - 6z + 5 = 0$
 - 4. $x^2 + y^2 + z^2 + x - 2y + 3z + 5 = 0$

Q.6 Ramesh sells an article for ₹34,440, after allowing an 18% discount on the marked price and still manages to gain 40% profit. If Ramesh sold the article at a 12% discount on the marked price, then what will be his profit, correct to two places of decimals?

- Ans
- 1. 50.42%
 - 2. 48.24%
 - 3. 50.24%
 - 4. 48.42%

Q.7 By selling 60 pens, a man gains an amount equal to the selling price of 12 pens. What is his gain percentage?

- Ans
- 1. 25%
 - 2. 22%
 - 3. 20%
 - 4. 27%

Q.8 In a right angle triangle with sides 12 cm and 16 cm and hypotenuse 20 cm, the length of altitude drawn on the hypotenuse from the opposite vertex is K. Find the value of K.

- Ans
- 1. 6.8 cm
 - 2. 9.6 cm
 - 3. 8.6cm
 - 4. 6.9 cm

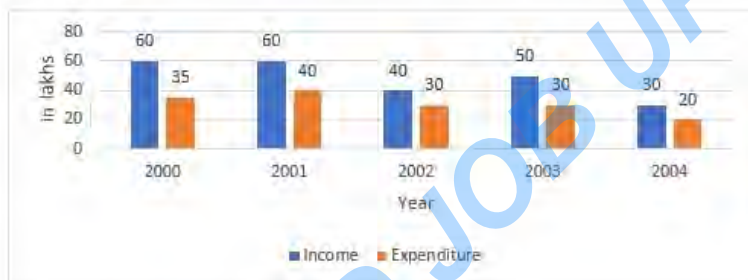
Q.9 The area of three adjacent faces of a cuboidal box is 120 cm^2 , 72 cm^2 and 60 cm^2 , respectively. Find the volume (in cm^3) of the box.

- Ans
- 1. 720
 - 2. 864
 - 3. 425
 - 4. 650

Q.10 If the radius of the base and slant height of the cone is 6 cm and 10 cm, respectively, then the volume of the cone is equal to:

- Ans
- 1. $108 \pi \text{ cm}^3$
 - 2. $98 \pi \text{ cm}^3$
 - 3. $106 \pi \text{ cm}^3$
 - 4. $96\pi \text{ cm}^3$

Q.11 Study the following bar chart, which represents the income and expenditure of a company.



In how many years is the income of company less than the average income?

- Ans
- 1. 4
 - 2. 5
 - 3. 3
 - 4. 2

Q.12 A tangent is drawn from a point that is at a distance of 37 cm from center of the circle O, and diameter is 24 cm. The length (in cm) of the tangent is:

- Ans
- 1. 30
 - 2. 35
 - 3. 28.16
 - 4. 37

Q.13 A car is sold for ₹5,00,000, which is 20% less than its original price. What was the original price of the car?

- Ans
- 1. ₹6,00,000
 - 2. ₹6,75,000
 - 3. ₹6,50,000
 - 4. ₹6,25,000

Q.14 The average marks scored by the students of a class is 75. If the average marks scored by the girls in the same class is 90 and that of boys is 70, what is the percentage of boys in the class?

- Ans
- 1. 60%
 - 2. 70%
 - 3. 65%
 - 4. 75%

Q.15 Evaluate the given expression.

$$(45 + 9) \div 2 - 7 \times 33 \div 7 + \{(7 + 18) \times 6\} + 9 \times 8 - 89$$

- Ans
- 1. 112
 - 2. 118
 - 3. 127
 - 4. 125

Q.16 In an election there were only two candidates. One of the candidates secured 35% of votes and is defeated by the other candidate by 381 votes. The total number of votes polled is:

- Ans
- 1. 1028
 - 2. 1270
 - 3. 635
 - 4. 514

Q.17 The sides ST and TR and the median SU of the ΔSTR are equal to the sides MN and NJ and the median MV of the ΔMNJ , respectively. If $\angle TSU = 46^\circ$, $\angle NMJ = 79^\circ$ and $\angle MVN = 88^\circ$, what is the degree measure of $\frac{7}{11} \angle SRT$?

- Ans
- 1. 35°
 - 2. 56°
 - 3. 47°
 - 4. 55°

Q.18 If a person's salary increases from ₹200 per day to ₹234 per day, then the percentage increase in the person's salary is:

- Ans
- 1. 14%
 - 2. 16%
 - 3. 15%
 - 4. 17%

- Q.19 If $\sin\theta = \frac{7}{25}$, then
 $\cos\theta$ and $\tan\theta$ are respectively _____.
 (where θ is in the first quadrant)

- Ans
1. $\frac{25}{7}$ and $\frac{7}{24}$
2. $\frac{24}{25}$ and $\frac{24}{7}$
3. $\frac{24}{25}$ and $\frac{7}{24}$
4. $\frac{25}{24}$ and $\frac{24}{7}$

- Q.20 The given bar graph shows the percentage of production of three companies C1, C2 and C3 over five years. Study the bar graph and answer the question that follows.



If the ratio of the total production in the year 2019 and 2022 is 3:5 and the total production in C1 in 2022 is 4125, then the total production of C3 in the year 2019 is:

- Ans
1. 9000
2. 1575
3. 2250
4. 5175

- Q.21 If Tanya walks at the speed of 6 km/h, she misses a train by 2 minutes. However, if she walks at the speed of 8 km/h, she reaches the station 3 minutes before the arrival of the train. The distance covered by Tanya to reach the station is:

- Ans
1. 2.5 km
2. 2.75 km
3. 3 km
4. 2 km

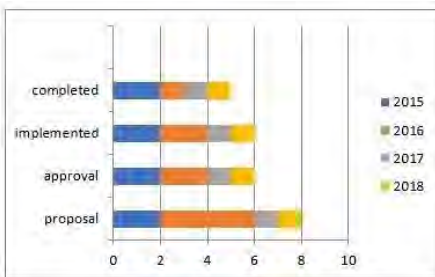
Q.22 If 6 engineers can complete a work in 5 days and 5 skilled workers can complete the same work in 7 days, then the time taken (in days) to complete the same work by 7 engineers and 4 skilled workers will be:

- Ans
- 1. $2\frac{64}{70}$
 - 2. $2\frac{64}{73}$
 - 3. $2\frac{65}{73}$
 - 4. $3\frac{64}{73}$

Q.23 A tangent is drawn from a point at a distance of 25cm from the Centre of a circle $C(0, r)$ of radius 7cm. The length of the tangent is _____ cm.

- Ans
- 1. 8
 - 2. 16
 - 3. 20
 - 4. 24

Q.24



A company starts constructing buildings for a college. The constructions have 4 stages.

1. buildings proposals 2. proposals approval 3. constructions implemented 4. buildings completed

The above 3D-bar graph indicates the status of constructions for 4 years 2015 to 2018.

The X-axis scale 0, 2, 4, 6, 8, 10 indicates 0, 20%, 40%, 60%, 80%, 100%.

Study the bar graph carefully and answer the following questions.

Find the ratio of proposals to buildings completed for the year 2016.

- Ans
- 1. 3 : 1
 - 2. 2 : 1
 - 3. 4 : 1
 - 4. 2 : 3

Q.25 If $A : B = 5 : 8$ and $B : C = 7 : 8$, then find $A : C$.

- Ans
- 1. 34 : 64
 - 2. 55 : 30
 - 3. 35 : 64
 - 4. 35 : 56

Q.1 Which of the following food grains highly benefited from the Green Revolution?

- Ans 1. Maize
 2. Wheat
 3. Barley
 4. Millet

Q.2 Who among the following confirmed Maxwell's theories with the discovery of radio waves and also became the first person to transmit and receive controlled radio waves in 1886?

- Ans 1. Michael Faraday
 2. Guglielmo Marconi
 3. William Hopkins
 4. Heinrich Hertz

Q.3 Calculate personal income (in ₹ crore) from the given data.

Particulars	₹ (in crore)
Private income	1800
Net retained earnings of private enterprises	500
Corporation tax	250

- Ans 1. 1000
 2. 950
 3. 2050
 4. 1100

Q.4 Article 15 of the Constitution of India entails:

- Ans 1. equality of opportunity for all citizens in matters relating to employment or appointment
 2. prohibition of discrimination against any citizen on grounds only of religion, race, caste, sex or place of birth
 3. cultural and educational rights
 4. freedom of speech and expression

Q.5 Mohiniyattam is a classical dance form of:

- Ans 1. Kerala
 2. Tamil Nadu
 3. Tripura
 4. Assam

Q.6 What is 'Padam' in Carnatic Music?

- Ans 1. A love poem
 2. A poem about courage
 3. A patriotic poem
 4. A lullaby

Q.7 In Cricket, the bowler does NOT get credit for _____.

- Ans
- 1. catch
 - 2. LBW
 - 3. bowled
 - 4. run out

Q.8 In which country do Kachin, Karen, Karenni, Chin and Mon ethnic groups belong?

- Ans
- 1. Nepal
 - 2. Myanmar
 - 3. Afghanistan
 - 4. Sri Lanka

Q.9 Manipur's _____ tribe celebrates the 'Gaan-Ngai' festival, which is a post-harvest festival of the tribe living in the regions of Manipur.

- Ans
- 1. Chothe
 - 2. Zeliangrong
 - 3. Inpui
 - 4. Gangte

Q.10 Bilhan was a court poet in which of the following kingdoms?

- Ans
- 1. Vijayaditya VII
 - 2. Vikramaditya VI
 - 3. Kulottunga I
 - 4. Rajaraja II

Q.11 Which Excel feature allows you to simultaneously edit the same cell or range of cells with multiple users in real-time?

- Ans
- 1. co-authoring
 - 2. Track Changes
 - 3. Conditional Formatting
 - 4. Data Validation

Q.12 Which of the following is a food-borne disease caused by the consumption of contaminated food or beverages?

- Ans
- 1. Tuberculosis
 - 2. Malaria
 - 3. Cholera
 - 4. Chicken pox

Q.13 Which of the following Fundamental Rights has been deleted from the original list of fundamental rights provided in the Constitution of India?

- Ans
- 1. Right to property
 - 2. Cultural and educational rights
 - 3. Right to constitutional remedies
 - 4. Right to freedom of religion

Q.14 A flat ring of small, icy bodies that revolve around the sun beyond the orbit of the planet Neptune is called:

- Ans 1. Oort Cloud
 2. Bow Shock
 3. Asteroid Belt
 4. Kuiper Belt

Q.15 In the year 2021, which of the following ministries published the amended rules related to Corporate Social Responsibility (CSR)?

- Ans 1. Ministry of Home Affairs
 2. Ministry of Corporate Affairs
 3. Ministry of New and Renewable Energy
 4. Ministry of Science and Technology

Q.16 In which year was the Board of Control for Cricket in India (BCCI) formed?

- Ans 1. 1931
 2. 1928
 3. 1947
 4. 1914

Q.17 Which of the following airports is being built as India's first 'carbon-neutral airport'?

- Ans 1. Kangra airport
 2. Leh airport
 3. Jammu airport
 4. Srinagar airport

Q.18 Who was the first Indian wrestler to win a world championship medal?

- Ans 1. Udey Chand
 2. Malwa Singh
 3. KD Jadhav
 4. Dara Singh

Q.19 Match the pair correctly:

National Waterways

- a) NW-1
 b) Nw-2
 c) NW-3
 d) NW-5

Stretch

1. Kakinada-Puducherry
 2. Kottapuram- Kallam
 3. Allahabad - Haldia
 4. Sadiya- Dhubri
 5. Talchar–Dhamra

- Ans 1. a-1, b-2, c-4, d-5
 2. a-3, b-4, c-2, d-5
 3. a-4, b-3, c-5, d- 1
 4. a-2, b-5, c-3, d-1

Q.20 The Wild Life (Protection) Amendment Act, 2022 received the assent of the President on _____.

- Ans**
- 1. 17 December 2022
 - 2. 19 December 2022
 - 3. 10 December 2022
 - 4. 14 December 2022

Q.21 What was the name of the campaign led by the Ali brothers and Maulana Abul Kalam Azad to save the Ottoman Caliphate as a symbol of unity among the Muslim community?

- Ans**
- 1. Faraizi Movement
 - 2. Ahmadiya Movement
 - 3. Wahabi Movement
 - 4. Khilafat Movement

Q.22 Which key can be pressed to initiate a slide show in MS PowerPoint?

- Ans**
- 1. Function key F2
 - 2. Function key F8
 - 3. Function key F4
 - 4. Function key F5

Q.23 The Chilika Lake is located to the south of the _____ delta.

- Ans**
- 1. Mahanadi
 - 2. Narmada
 - 3. Godavari
 - 4. Cauvery

Q.24 Which statement about Syama Sastri is correct?

- Ans**
- 1. His famous composition is Pancharatna Kritis.
 - 2. His signature name was Guruguha.
 - 3. A crater on planet mercury is named after him.
 - 4. He is one among the trinity of Carnatic Music.

Q.25 The approach driven by seven engines, which is powered by Clean Energy and 'Sabka Prayas' is related to which scheme?

- Ans**
- 1. Pradhan Mantri Mudra Yojana
 - 2. Garib Kalyan Rojgar Abhiyan
 - 3. Aatmanirbhar Bharat Rojgar Yojana
 - 4. PM Gati Shakti Master Plan

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	TCS Gito Bitan
Exam Date	09/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

After a while, / she look up / and saw that / it was getting dark.

- Ans
- 1. and saw that
 - 2. she look up
 - 3. it was getting dark
 - 4. After a while

Q.2 The given sentence is divided into four segments. Identify the segment that contains a grammatical error.

A great / culture of hospitality of / the Spanish / is well-known.

- Ans
- 1. is well-known.
 - 2. the Spanish
 - 3. A great
 - 4. culture of hospitality of

Q.3 Select the option that will improve the given sentence by using the most appropriate verb.

Alexa have being working as a teacher for five years now.

- Ans
- 1. Alexa was been working as a teacher for five years now.
 - 2. Alexa has been working as a teacher for five years now.
 - 3. Alexa has being working as a teacher for five years now.
 - 4. Alexa is being working as a teacher for five years now.

Q.4 Parts of the following sentence have been given as options. Select the option that contains an error.

There was an gang of thieves spotted at our local bank, make sure to be careful.

- Ans
- 1. make sure to be careful
 - 2. of thieves spotted
 - 3. There was an gang
 - 4. at our local bank

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. can
 2. hasn't
 3. do not
 4. cannot

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. a
 2. which
 3. very
 4. the

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. some
 2. the
 3. that
 4. all

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. for
 2. in
 3. with
 4. at

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

How does a camel survive in the desert? Many people think that the camel stores water in its hump, but the hump is really made up of fats. When a camel (1)_____ find water, it passes less urine to conserve (2)_____ small amount of water it has in its body. Furthermore, the camel has a higher body temperature than (3)_____ of most mammals. This means that it starts to sweat (4)_____ a higher temperature than that which human beings, for example, (5)_____ to perspire. This also helps it to keep water loss through sweating to a minimal.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. starts
 2. started
 3. starting
 4. start

Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Grasslands should not be foraged and some places are to be closed for grazing.

- Ans 1. grazed and some places is
 2. cut and few areas
 3. planted or
 4. over-grazed and some areas should be

Q.11 Select the most appropriate option that can substitute the underlined word in the given sentence.

Modest stores and welcoming residents populated the charming tiny town.

- Ans 1. unpleasant
 2. nasty
 3. delightful
 4. hideous

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
I quietly went out at the door into the veranda.

- Ans 1. through
 2. from
 3. by
 4. No substitution required

Q.13 Select the most appropriate synonym of the given word.
Rectify

- Ans 1. Consider
 2. Correct
 3. Connect
 4. Count

Q.14 Select the most appropriate option to substitute the underlined segment in the given sentence.

Shantanu always buries his head in the sand whenever he explains his professional failures to his father.

- Ans 1. shows a blind eye against social issues
 2. hides from the truth
 3. blames the others for his mistakes
 4. escapes from all the difficulties

Q.15 Select the most appropriate option to fill in the blank.

It is the _____ to reach Delhi.

- Ans 1. quickest route
 2. fastest route
 3. strongest route
 4. lowest route

Q.16 Select the most appropriate ANTONYM of the underlined word.
We should not run after transient pleasures of the world.

- Ans 1. Permanent
 2. Joyful
 3. Unnatural
 4. Sinful

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Things that do not come from the ground not safe to compost.

- Ans 1. be not safe
 2. are not safe
 3. has not been safe
 4. is not safe

Q.18 Fill in the blank with the most appropriate ANTONYM of the underlined word.

In spring the leaves are bright green, whereas they appear _____ in autumn.

- Ans
- 1. luminous
 - 2. dull
 - 3. gleaming
 - 4. dazzling

Q.19 Select the most appropriate option to fill in the blank.

The _____ of the whale is 2 tonnes.

- Ans
- 1. wet
 - 2. wait
 - 3. weight
 - 4. vet

Q.20 Select the option with the correct spelling to replace the underlined word in the given sentence.

A natural clanity causing huge destruction and loss of life and property.

- Ans
- 1. calamity
 - 2. calamitey
 - 3. climanity
 - 4. clamanity

Q.21 Select the most appropriate synonym of the given word.
Luminous

- Ans
- 1. Luxurious
 - 2. Laborious
 - 3. Amiable
 - 4. Radiant

Q.22 Select the most appropriate option to fill in the blank.

The cat's entry into the store room was _____.

- Ans
- 1. quite
 - 2. quit
 - 3. cute
 - 4. quiet

Q.23 Select the most appropriate meaning of the underlined idiom in the given sentence.

He got medals time after time by following the instructions of his mentor.

- Ans
- 1. Repeatedly
 - 2. Once
 - 3. Twice
 - 4. Rarely

Q.24 Select the **INCORRECTLY** spelt word in the given sentence.
 King Zheng is known to lead an army of a million armoured soldiers, a thousand chariots and ten thousand horses in his mission to conquer the neighbouring kingdoms.

- Ans
- 1. Chariots
 - 2. Thousand
 - 3. Kingdoms
 - 4. Misssion

Q.25 Identify the most appropriate **ANTONYM** of the underlined word in the following sentence.

Harry's behaviour was very blunt during his school days.

- Ans
- 1. Polite
 - 2. Curious
 - 3. Dull
 - 4. Excited

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 12, 72)
 (8, 16, 96)

- Ans
- 1. (7, 28, 144)
 - 2. (12, 24, 140)
 - 3. (12, 24, 144)
 - 4. (11, 24, 144)

Q.2 In a certain code language, 'time and again' is coded as 'zx df mo' and 'value your time' is coded as 'df pn tv'. How is 'time' coded in the given language?

- Ans
- 1. zx
 - 2. tv
 - 3. mo
 - 4. df

Q.3 In a certain code language, 'BACK' is coded as '4162' and 'CAB' is coded as '214'. What is the code for 'K' in that language?

- Ans
- 1. 2
 - 2. 4
 - 3. 1
 - 4. 6

Q.4 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Referee : Field

- Ans 1. Judge : Courtroom
 2. Gladiator : Ring
 3. Experimenter : Result
 4. Arbitrator : Deadlock

Q.5 Which of the following numbers will replace the question mark (?) in the given series?

112 113 122 147 196 ?

- Ans 1. 294
 2. 253
 3. 282
 4. 277

Q.6 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$14 - 15 \div 2 + 56 \times 14 = ?$$

- Ans 1. 40
 2. 30
 3. 35
 4. 45

Q.7 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
CEG, FHJ, IKM, LNP, ?

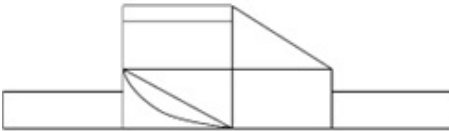
- Ans 1. OQR
 2. OQS
 3. QTV
 4. QRS

Q.8 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$15 \div 4 - 128 + 123 \times 3 = ?$$

- Ans 1. 167
 2. 127
 3. 187
 4. 147

Q.9 How many rectangles are there in the given figure?



- Ans
- 1. 11
 - 2. 9
 - 3. 8
 - 4. 10

Q.10 Based on the alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. TVY
 - 2. HJL
 - 3. PRT
 - 4. RTV

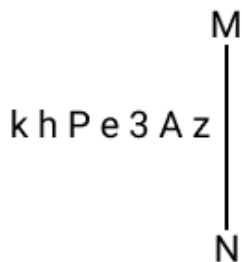
Q.11 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

- Ans
- 1.
 - 2.
 - 3.
 - 4.

Q.12 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans
- 1. z 3 A e P h k
 - 2. z 3 A e P h k
 - 3. z A e P h k
 - 4. z A e P h k

Q.13 What should come in place of the question mark (?) in the given series?

3, 7, 15, 31, 63, ?

- Ans
- 1. 126
 - 2. 127
 - 3. 128
 - 4. 125

Q.14 Six letters A, R, T, W, Y and Z are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the letter on the face opposite to the face containing A?



- Ans
- 1. Y
 - 2. R
 - 3. W
 - 4. Z

Q.15 'T + W' means 'T is the father of W'
 'T - W' means 'T is the wife of W'
 'T × W' means 'T is the brother of W'
 'T ÷ W' means 'T is the daughter of W'.
 What does 'S + T ÷ U' mean?

- Ans
- 1. S is the brother of U
 - 2. S is the husband of U
 - 3. S is the son of U
 - 4. S is the uncle of U

Q.16 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some sweaters are jackets.

Some jackets are pullovers.

No pullover is a glove.

Conclusions:

(I) No jacket is a glove.

(II) Some sweaters are pullovers.

- Ans**
- 1. Only conclusion I follows
 - 2. Both conclusions I and II follow
 - 3. None of the conclusions follow
 - 4. Only conclusion II follows

Q.17 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

- Ans**
- 1.
 - 2.
 - 3.
 - 4.

KD JOB UPDATES

Q.18 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

$\begin{array}{c} 4 \\ \times 8 \\ \hline 2 \end{array}$	$\begin{array}{c} 6 \\ \times 24 \\ \hline 4 \end{array}$	$\begin{array}{c} 8 \\ \times 48 \\ \hline 6 \end{array}$	$\begin{array}{c} 10 \\ \times 80 \\ \hline 8 \end{array}$?
--	---	---	--	---

Ans

1.

$$\begin{array}{c} 12 \\ \times 22 \\ \hline 10 \end{array}$$

2.

$$\begin{array}{c} 14 \\ \times 140 \\ \hline 10 \end{array}$$

3.

$$\begin{array}{c} 12 \\ \times 120 \\ \hline 10 \end{array}$$

4.

$$\begin{array}{c} 12 \\ \times 2 \\ \hline 10 \end{array}$$

Q.19 DFIK is related to EGJL in a certain way based on the English alphabetical order. In the same way, GILN is related to HJMO. To which of the following is MORT related to, following the same logic?

Ans 1. NPVS

2. NQSU

3. NPSU

4. NPSV

Q.20 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

W P Q J K 2 G E

M ————— N

- Ans
- 1. M Ь Ɔ 1 K 2 E E
 - 2. E Ɔ S K I Q P W
 - 3. M Ь Ɔ 1 K S E E
 - 4. M ɹ Ɔ 1 K S E E

Q.21 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$16 \div 5 - 24 \times 6 + 3 = ?$$

- Ans
- 1. 85
 - 2. 82
 - 3. 81
 - 4. 80

Q.22 33 is related to 726 by certain logic. Following the same logic, 43 is related to 946. To which of the following is 53 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 846
 - 2. 980
 - 3. 1060
 - 4. 1166

Q.23 The position of how many letters will remain unchanged if each of the letters in the word WANDERLUST is arranged from left to right in alphabetical order?

- Ans
- 1. Three
 - 2. One
 - 3. None
 - 4. Two

Q.24 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RPM, USP, XVS, AYW, ?

- Ans
- 1. BYD
 - 2. DYB
 - 3. BDY
 - 4. DBY

Q.25 If 10 days before was a Sunday and 6 days after would be a Tuesday, then what day is it today?

- Ans** 1. Wednesday
 2. Monday
 3. Tuesday
 4. Friday

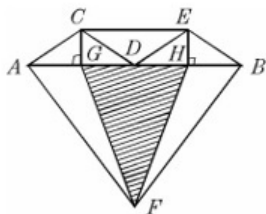
Q.1 The strength of a school is 640, with the number of boys being 400. Find the ratio of girls to boys.

- Ans** 1. 5 : 6
 2. 3 : 5
 3. 4 : 5
 4. 8 : 5

Q.2 A metallic sphere of volume $3136\pi \text{ cm}^3$ is melted and then, recast into smaller cones, each of radius 3.5 cm and height 4 cm. How many cones are obtained?

- Ans** 1. 172
 2. 148
 3. 192
 4. 196

Q.3 In the diagram, if $\overline{AB} \parallel \overline{CE}$, $AG = GD = DH = HB$, then which of the following is correct?



- I) $\triangle ACG \cong \triangle BEH$ II) $\triangle CDE \cong \triangle DEB \cong \triangle DCA$ III) $\triangle HFB \cong \triangle AFG$

- Ans** 1. I, II and III
 2. I and III
 3. Only I
 4. I and II

Q.4 Study the given pie charts and answer the question that follows.

Distribution of overseas tourists



Age of tourists



If A = percentage of tourists who went to Agra, Amritsar and Kashi, and B = percentage of tourists whose age lies between 2 years to 50 years, then what is A:B?

- Ans
- 1. 11:13
 - 2. 10:13
 - 3. 10:7
 - 4. 13:10

Q.5 In a class with a certain number of students, if one student weighing 30 kg is added, then the average weight of the class increases by 1 kg. If one more student weighing 30 kg is added, then the average weight of the class increases by 1.5 kg over the original average. What is the original average weight (in kg) of the class?

- Ans
- 1. 26.5
 - 2. 25.5
 - 3. 27
 - 4. 24

Q.6 The lengths of the three sides of a triangle are 19 cm, 25 cm and y cm. Which of the following options most accurately gives the possible values of 'y'?

- Ans
- 1. $6 \leq y \leq 44$
 - 2. $6 < y < 44$
 - 3. $6 < y \leq 44$
 - 4. $6 \leq y < 44$

Q.7 If 20% of 35% of a number is 240.8, then 18% of that number (rounded off to 1 decimal place) is:

- Ans
- 1. 621.2
 - 2. 619.2
 - 3. 618.2
 - 4. 623.2

Q.8 In a circle with center O, the diameter AB extended to the point C, outside the circle. CD is a tangent at the point D on the circle. If the radius of circle is 6 cm and $\angle DBC = 120^\circ$, then the length of CD is equal to:

- Ans
- 1. $6\sqrt{3}$ cm
 - 2. $4\sqrt{3}$ cm
 - 3. $5\sqrt{3}$ cm
 - 4. $3\sqrt{3}$ cm

Q.9 The given table shows the percentage of marks obtained by 5 students in different subjects. Study the table and answer the question that follows. (Maximum marks are given beside subject).

Subjects → Students ↓	Physics	Maths	Music	Hindi	Botany
	300	300	100	100	200
Ram	60	80	90	60	95
Shyam	90	70	80	70	40
Sohan	70	90	95	80	75
Mohan	80	60	70	95	80
Karn	90	50	85	85	80

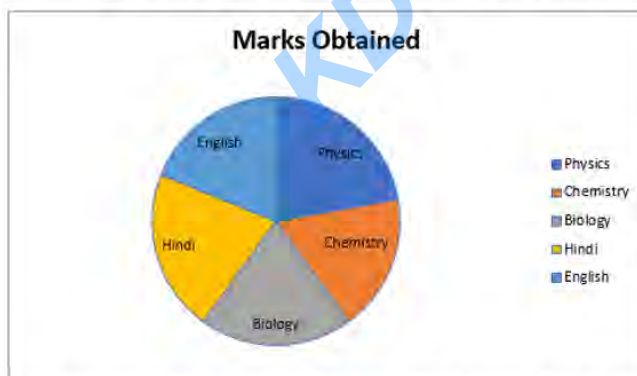
The marks obtained by Ram in Botany are less/more than Karn's marks in Botany by how much?

- Ans
- 1. 30 less
 - 2. 30 more
 - 3. 25 less
 - 4. 25 more

Q.10 Find the number of paper balls, each 2 cm in diameter, that can be made from a sphere of diameter 18 cm.

- Ans
- 1. 1020
 - 2. 484
 - 3. 625
 - 4. 729

Q.11 Study the following pie-chart carefully and answer the given question. The pie-chart represents the marks obtained by Sanya in different subjects in class 12. Total marks scored by her in class 12 was 450.



If the total central angles corresponding to the pair of subjects (Physics and Hindi), (Chemistry and Physics) and (Hindi and Chemistry) were 156° , 144° and 140° , respectively, then find the total marks obtained by her in (English and Biology).

- Ans
- 1. 180
 - 2. 160
 - 3. 190
 - 4. 175

Q.12 The speed of a thief is $\frac{4}{5}$ times the speed of a policeman. The thief covers a distance of 6 km before he was caught by the policeman in 30 minutes. Initially, what was the distance between the policeman and the thief in km?

- Ans** 1. 1.5
 2. 1.2
 3. 1.0
 4. 0.8

Q.13 If three sides of a triangle are 6 cm, 8 cm and 10 cm, then the area of the triangle is:

- Ans** 1. 24 cm^2
 2. $12\sqrt{3} \text{ cm}^2$
 3. $24\sqrt{3} \text{ cm}^2$
 4. 30 cm^2

Q.14 By selling 22 items, Rohit gains the selling price of 6 items. His gain per cent is:

- Ans** 1. $37\frac{1}{2} \%$
 2. $37\frac{1}{3} \%$
 3. $33\frac{1}{2} \%$
 4. $33\frac{1}{3} \%$

Q.15 By decreasing 17° from each angle of a triangle, the ratio of their angles is 3 : 4 : 7. The radian measure of the greatest angle is:

- Ans** 1. $\frac{153\pi}{360}$
 2. $\frac{167\pi}{180}$
 3. $\frac{163\pi}{180}$
 4. $\frac{163\pi}{360}$

Q.16 Simplify the following expression.

$$11\frac{1}{4} \div 3\frac{3}{5} \times 6\frac{2}{3} + \frac{1}{6} = \underline{\hspace{2cm}}$$

- Ans** 1. 19
 2. 21
 3. 23
 4. 25

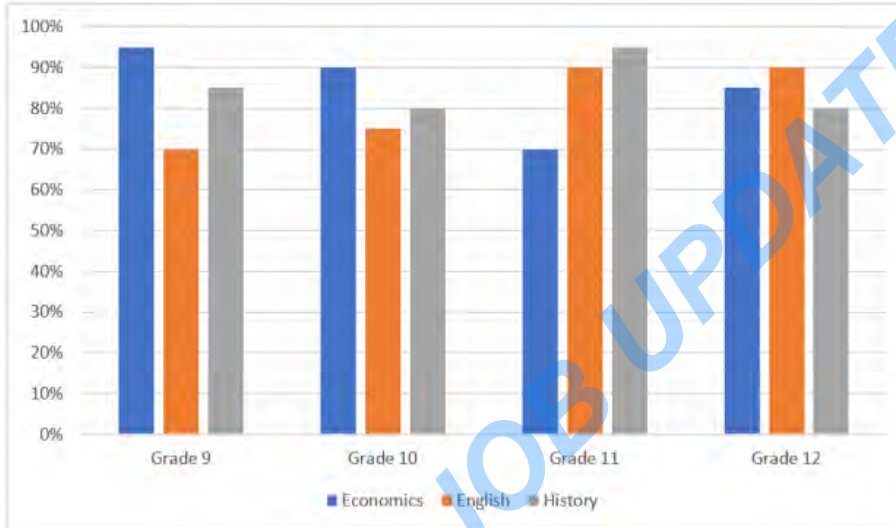
Q.17 A shopkeeper sells an item at 20% discount on the marked price and earns a profit of 90%. If he sells the same item at 40% discount, then his new profit percentage will be:

- Ans
- 1. 48.2%
 - 2. 45.8%
 - 3. 42.5%
 - 4. 41.8%

Q.18 What is the maximum value of $7 \cos A + 24 \sin A + 32$?

- Ans
- 1. 39
 - 2. 32
 - 3. 25
 - 4. 57

Q.19 The following bar graph represents the percentage marks obtained in grade 9, 10, 11 and 12 students in Economics, English and History. Study the given bar graph carefully and answer the question that follows.



If the full marks in Economics is 100, English is 80 and History is 50, then find the total marks obtained by grade 10 students.

- Ans
- 1. 200
 - 2. 220
 - 3. 190
 - 4. 245

Q.20 The price of an electronic watch is first reduced by 25% and then increased by 50%. If the resulting price of the electronic watch is ₹7,650, then what was its original price (in ₹)?

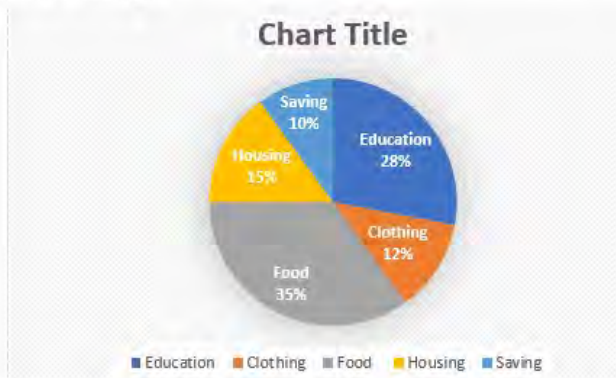
- Ans
- 1. 6,600
 - 2. 6,800
 - 3. 6,900
 - 4. 6,500

Q.21 What will be the amount due on ₹36,000 in 2 years when the rate of simple interest for successive years is 8% and 6%, respectively?

- Ans
- 1. ₹38,880
 - 2. ₹40,320
 - 3. ₹41,760
 - 4. ₹41,040

Q.22 Study the given pie-chart and answer the question that follows.

The pie-chart shows the monthly expenditure incurred by a family on various items and their savings.



If the total expenditure on education is ₹23,520, then what is the expenditure on clothing (in ₹)?

- Ans
- 1. 10000
 - 2. 10080
 - 3. 11000
 - 4. 12300

Q.23 A can finish a piece of work by working alone in 4 days. B, while working alone, can finish the same work in 12 days. If both of them work together, then in how many days will the work be completed?

- Ans
- 1. 8
 - 2. 6
 - 3. 3
 - 4. 4

Q.24 After decreasing 30%, an article costs Rs.3,500. Find its actual cost.

- Ans
- 1. Rs.5,000
 - 2. Rs.6,500
 - 3. Rs.5,500
 - 4. Rs.4,500

Q.25 Simplify

$$\left[6 - 2 \left\{ 3 - 4 \left(4 \div \frac{1}{4} - 1 \right) + 2 \div \frac{1}{3} \right\} - 3 \times 2 \right]$$

- Ans
- 1. 98
 - 2. 102
 - 3. 92
 - 4. 96

Q.1 According to Census 2011, India's population accounts _____ of the world's population.

- Ans
- 1. 10%
 - 2. 15%
 - 3. 20%
 - 4. 17.5%

Q.2 Rouf is the traditional dance of _____, which is practiced on the festive occasions of Eid and during Ramzan days.

- Ans
- 1. Chandigarh
 - 2. Leh
 - 3. Jammu & Kashmir
 - 4. Puducherry

Q.3 The cell wall of bacteria is made up of:

- Ans
- 1. peptidoglycan
 - 2. glycogen
 - 3. cellulose
 - 4. peptone

Q.4 How does the CPU distinguish between each memory cell?

- Ans
- 1. By its byte size
 - 2. By its capacity
 - 3. By its address
 - 4. By its data item

Q.5 Which of the following date is observed as a national festival?

- Ans
- 1. 24 October
 - 2. 2 October
 - 3. 25 October
 - 4. 10 October

Q.6 The Union Cabinet, in Aug 2022, approved the enhancement in the limit of Emergency Credit Line Guarantee Scheme (ECLGS) by _____, with the additional amount being earmarked exclusively for enterprises in hospitality and related sectors.

- Ans
- 1. ₹10,000 crore
 - 2. ₹50,000 crore
 - 3. ₹60,000 crore
 - 4. ₹30,000 crore

Q.7 Warren Hastings became the Governor-General of Bengal from Governor of Bengal after the passing of which of the following Acts?

- Ans
- 1. Charter Act, 1813
 - 2. Pitt's India Act, 1784
 - 3. Indian Council Act of 1861
 - 4. Regulating Act, 1773

Q.8 Who amongst the following Mughal emperors got classical Hindu mythological texts Ramayana and Mahabharata translated into Persian?

- Ans 1. Jahangir
 2. Aurangzeb
 3. Akbar
 4. Shahjahan

Q.9 The Big Dipper is an asterism formed by the seven brightest stars in the constellation:

- Ans 1. Ursa Major
 2. Cassiopeia
 3. Leo Major
 4. Orion

Q.10 Milk of magnesia is a suspension of _____ in water.

- Ans 1. magnesium chlorate
 2. magnesium bromide
 3. magnesium hydroxide
 4. magnesium oxalate

Q.11 Intervention by the monetary authority of a country in the money market to keep money supply stable against exogenous or sometimes external shocks is called _____.

- Ans 1. neutralisation
 2. capitalisation
 3. conservation
 4. sterilisation

Q.12 Which of the following is NOT an Olympics Sport? (As of March, 2023)

- Ans 1. Sailing
 2. 3x3 Basketball
 3. Cricket
 4. Rowing

Q.13 Baiga is a folk music of Baiga Tribe from which of the following states?

- Ans 1. Assam
 2. Bihar
 3. Uttarakhand
 4. Madhya Pradesh

Q.14 In 1955, _____ noted the possibility of using small-scale industries for promoting rural development.

- Ans 1. Kelkar Committee
 2. Sarkaria Committee
 3. Karve Committee
 4. Chakravarty Committee

Q.15 In a test match, the captain of the fielding side may demand a new ball after _____.

- Ans
- 1. 85 overs
 - 2. 70 overs
 - 3. 80 overs
 - 4. 75 overs

Q.16 Jharkhand and Chhattisgarh states are rich with _____ material deposits.

- Ans
- 1. gold
 - 2. petroleum
 - 3. silicon
 - 4. coal

Q.17 In PPT What method can be used to move among slides if your hands are already on the keyboard?

- Ans
- 1. Scrolling with the mouse wheel
 - 2. Using the keyboard directional keys
 - 3. Clicking on the slide thumbnail in the Slides tab
 - 4. Pressing the Esc key to exit the presentation

Q.18 Which of the following Articles of the Indian Constitution are related to Fundamental Rights?

- Ans
- 1. 12-36
 - 2. 32-51
 - 3. 12-35
 - 4. 14-32

Q.19 Aajeevika - National Rural Livelihoods Mission (NRLM) - was launched by the Ministry of Rural Development (MoRD), Government of India, in the year _____.

- Ans
- 1. 2012
 - 2. 2013
 - 3. 2011
 - 4. 2010

Q.20 Which party won the Jalandhar (a city in Punjab) Lok Sabha bypoll election held in May 2023?

- Ans
- 1. Bharatiya Janata Party
 - 2. Akali Dal
 - 3. Indian National Congress
 - 4. Aam Aadmi Party

Q.21 Fundamental duties were introduced in Part IVA of the Constitution by the:

- Ans
- 1. Forty-second Amendment Act, 1976
 - 2. Forty-first Amendment Act, 1976
 - 3. Forty-third Amendment Act, 1977
 - 4. Forty-fourth Amendment Act, 1978

Q.22 What was the name of the person who has been elected as the Chair of the 62nd session of the United Nations Commission for Social Development?

- Ans**
- 1. BM Vinod Kumar
 - 2. Satinder Kumar Lambah
 - 3. Ruchira Kamboj
 - 4. Nirupama Menon Rao

Q.23 What kind of a satellite is CMS-01, that was launched by ISRO in December 2020?

- Ans**
- 1. Tsunami observation
 - 2. Resource management
 - 3. Navigation
 - 4. Communication

Q.24 Shattantri Veena, meaning a Veena with hundred strings, is the ancient Sanskrit name of which instrument?

- Ans**
- 1. Santoor
 - 2. Sarod
 - 3. Sarangi
 - 4. Tambura/Tanpura

Q.25 According to rules laid down by the International Football Association Board (IFAB), what can be the maximum length of a goal line in football?

- Ans**
- 1. 40 m
 - 2. 100 m
 - 3. 90 m
 - 4. 50 m

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	ION Digital Zone iDZ Jamshedpur
Exam Date	10/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 Select the most appropriate option that can substitute the underlined segment in the given sentence.

UNICEF builds partnerships across the global community on accelerate gender equality.

- Ans 1. global community to accelerate
 2. global community till accelerate
 3. global community in accelerate
 4. global community with accelerate

Q.2 Parts of the given sentence have been underlined. One of them contains an error. The underlined parts are given as options with some changes. Select the option that correctly rectifies the error.

Raveena's daughter Kavya is most intelligent student and she consistently achieves top grades.

- Ans 1. an intelligent
 2. topper grades
 3. she has consistently
 4. Raveenas' daughter

Q.3 The given sentence is divided into three segments. Select the option that has the segment with a grammatical error. If there is no error, select 'No error'.
 The volunteer gave on to / the food packets to the / children of the orphanage.

- Ans 1. No error
 2. The volunteer gave on to
 3. children of the orphanage.
 4. the food packets to the

Q.4 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
 It was my niece / who was leaving college / last year, and / not my son.

- Ans 1. who was leaving college
 2. It was my niece
 3. last year, and
 4. not my son.

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option for each blank.

I was reading a book two days back. It was titled Charlie and the Chocolate Factory by Roland Dahl. It was fantastic. It has now become my favourite (1)_____. It is about a boy named Charlie who is (2)_____ poor. He wins a golden ticket that (3)_____ him to enter the most famous chocolate factory in the world. He (4)_____ it with his grandfather. But the other kids who accompany him are nasty. They are all spoilt. But you have to read the book to (5)_____ out more about them. The amazing part of the book is that it is like a dream come true.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1.

Ans 1. book

2. manual

3. guide

4. text

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option for each blank.

I was reading a book two days back. It was titled Charlie and the Chocolate Factory by Roland Dahl. It was fantastic. It has now become my favourite (1)_____. It is about a boy named Charlie who is (2)_____ poor. He wins a golden ticket that (3)_____ him to enter the most famous chocolate factory in the world. He (4)_____ it with his grandfather. But the other kids who accompany him are nasty. They are all spoilt. But you have to read the book to (5)_____ out more about them. The amazing part of the book is that it is like a dream come true.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

Ans 1. very

2. finally

3. nicely

4. properly

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option for each blank.

I was reading a book two days back. It was titled Charlie and the Chocolate Factory by Roland Dahl. It was fantastic. It has now become my favourite (1)_____. It is about a boy named Charlie who is (2)_____ poor. He wins a golden ticket that (3)_____ him to enter the most famous chocolate factory in the world. He (4)_____ it with his grandfather. But the other kids who accompany him are nasty. They are all spoilt. But you have to read the book to (5)_____ out more about them. The amazing part of the book is that it is like a dream come true.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

Ans 1. allows

2. suffers

3. gets

4. bears

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option for each blank.

I was reading a book two days back. It was titled Charlie and the Chocolate Factory by Roland Dahl. It was fantastic. It has now become my favourite (1)_____. It is about a boy named Charlie who is (2)_____ poor. He wins a golden ticket that (3)_____ him to enter the most famous chocolate factory in the world. He (4)_____ it with his grandfather. But the other kids who accompany him are nasty. They are all spoilt. But you have to read the book to (5)_____ out more about them. The amazing part of the book is that it is like a dream come true.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. examines
 2. visits
 3. inspects
 4. explores

Comprehension:

In the following passage, some words have been deleted. Select the most appropriate option for each blank.

I was reading a book two days back. It was titled Charlie and the Chocolate Factory by Roland Dahl. It was fantastic. It has now become my favourite (1)_____. It is about a boy named Charlie who is (2)_____ poor. He wins a golden ticket that (3)_____ him to enter the most famous chocolate factory in the world. He (4)_____ it with his grandfather. But the other kids who accompany him are nasty. They are all spoilt. But you have to read the book to (5)_____ out more about them. The amazing part of the book is that it is like a dream come true.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. find
 2. unlearn
 3. spot
 4. locate

Q.10 Select the most appropriate option to fill in the blank.

I find that students nowadays are not interested in _____ letters by hand.

- Ans 1. writing
 2. rating
 3. rioting
 4. righting

Q.11 Select the sentence that brings out the most appropriate meaning of the idiom 'Dog in the manger'.

- Ans 1. Mohit was so loyal and committed to his company that he rejected lucrative offers from different companies.
 2. Rachit had some important work and so he cancelled the show tickets for everyone.
 3. To prove this is not a trap, I want to check the credibility of your plan.
 4. You are here just because you have recognised your hidden potential.

Q.12 Select the most appropriate synonym of the given word.

Alert

- Ans 1. Dull
 2. Smart
 3. Inactive
 4. Vigilant

Q.13 Select the most appropriate synonym of the given word.

Retract

- Ans 1. Revoke
 2. Disturb
 3. Please
 4. Implement

Q.14 Select the most appropriate ANTONYM of the given word.

Enormous

- Ans 1. Strong
 2. Minute
 3. Tremendous
 4. Monstrous

Q.15 Select the most appropriate meaning of the underlined idiom.

The technicians who were repairing the broken elevator called it a day.

- Ans 1. Stopped to take a short break
 2. Felt unhappy
 3. Stopped work for the day
 4. Shouted with anger

Q.16 Select the option that will improve the underlined part of the given sentence.

Allusive handwriting creates a poor impression.

- Ans 1. Eligible handwriting
 2. Descriptive handwriting
 3. Illegible handwriting
 4. Legal handwriting

Q.17 Select the most appropriate synonym of the underlined word.

For Rana, unable to see a thing, the parade seemed to last forever.

- Ans 1. darkness
 2. procession
 3. concealment
 4. hiding

Q.18 Select the most appropriate option to correct the sentence by using the denotation of the underlined word.

Mr. Sen is clever enough to handle his professional hazards.

- Ans
- 1. Bold
 - 2. Intelligent
 - 3. Callous
 - 4. Foolish

Q.19 Select the INCORRECTLY spelt word in the given sentence.

The Chinese are believed to have a longer history than that of any other civilisation in the world.

- Ans
- 1. Woldr
 - 2. Chinese
 - 3. Believed
 - 4. Civilisation

Q.20 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The housing loan taken by Ramesh effected his daily expenses adversely.

- Ans
- 1. from Ramesh effected
 - 2. of Ramesh effected
 - 3. by Ramesh affected
 - 4. for Ramesh effected

Q.21 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select No improvement required.
Although uncountable files stack up on the tables of government officials, they prefer doing their work at a more leisure pace.

- Ans
- 1. No improvement needed
 - 2. at a more leisure paced
 - 3. at a more leisurely pace
 - 4. at a more leisurely paced

Q.22 Select the option that rectifies the spelling of the underlined word in the given sentence.

It was a privvilege to receive the award from the President.

- Ans
- 1. privillege
 - 2. privilegge
 - 3. privileege
 - 4. privilege

Q.23 Select the most appropriate option that can replace the bracketed word segment in the following sentence.

Classical buildings in ancient Greek and Roman times were (characteristically built) from marble or some other attractive, durable stone.

- Ans
- 1. strange build
 - 2. typically built
 - 3. fascinating to build
 - 4. mainly having been built

Q.24 Select the most appropriate ANTONYM of the given word.
Sluggish

- Ans 1. Hassled
 2. Leisurely
 3. Rapid
 4. Lethargic

Q.25 Select the most appropriate ANTONYM of the given word.
Timid

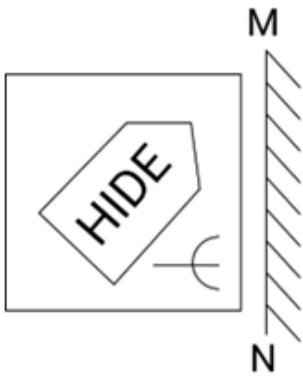
- Ans 1. Resolute
 2. Assertive
 3. Audacious
 4. Blunt

Q.1 In a certain code language, 'DIVERT' is coded as '36' and 'DOLDRUMS' is coded as '64'. What is the code for 'DOGMA' in the given code language?

- Ans 1. 64
 2. 49
 3. 25
 4. 36

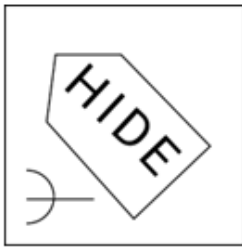
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Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

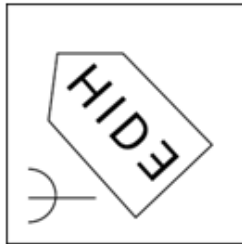


Ans

1.



2.



3.



4.



Q.3 If 23 June 2008 was Monday, then what was the day of the week on 23 June 2020?

Ans 1. Sunday

2. Tuesday

3. Saturday

4. Wednesday

Q.4 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?
 14 B 11 D 22 C 328 A 8 = ?

- Ans**
- 1. 173
 - 2. 133
 - 3. 163
 - 4. 153

Q.5 Select the letter-cluster pair that best represents a similar relationship to the one expressed in the pairs of letter-clusters given below.
 VPN : ZTR
 SMK : WQO

- Ans**
- 1. PMK : TOL
 - 2. HDB : MIG
 - 3. KFD : OJK
 - 4. LFD : PJH

Q.6 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

T	=	9	O	S	T	T	O	S	9	♡	T	
				=				V		O		?
O	S	♡	♡	R	9	9	♡	R	R	V	S	

- Ans**
- 1.

T	9	♡
	2	
S	R	V
 - 2.

R	V	9
	2	
S	♡	T
 - 3.

♡	T	9
	2	
S	R	V
 - 4.

T	9	♡
	2	
V	S	R

Q.7 92 is related to 23 following a certain logic. Following the same logic, 136 is related to 34. To which of the following is 224 related, following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- Ans
- 1. 54
 - 2. 52
 - 3. 56
 - 4. 58

Q.8 What should come in place of ? in the given series based on the English alphabetical order?

BJR ? RTH MYC HDX

- Ans
- 1. OMW
 - 2. MOW
 - 3. WOM
 - 4. OWM

Q.9 Which of the following numbers will replace the question mark (?) in the given series?

612 571 535 504 478 ?

- Ans
- 1. 444
 - 2. 468
 - 3. 457
 - 4. 435

Q.10 How many quadrilaterals are there in the given figure?



- Ans
- 1. 10
 - 2. 12
 - 3. 11
 - 4. 7

Q.11 What should come in place of ? in the given series?

155 146 137 128 119 ?

- Ans
- 1. 111
 - 2. 122
 - 3. 133
 - 4. 110

Q.12 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All houses are trees.

All trees are stones.

All stones are rocks.

Conclusion (I): Some stones are trees.

Conclusion (II): All houses are rocks.

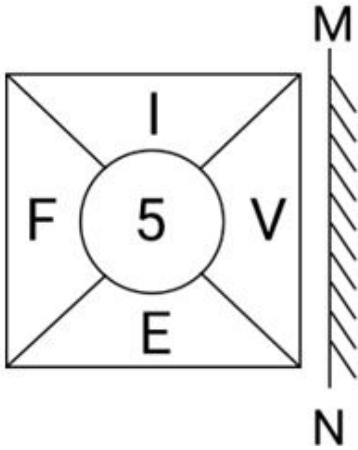
- Ans**
- 1. Both conclusions (I) and (II) follow.
 - 2. Only conclusion (II) follows.
 - 3. Only conclusion (I) follows.
 - 4. Neither conclusion (I) nor (II) follows.

Q.13 The position of how many letters will remain unchanged if each of the letters in the word DOCUMENTARY is arranged from left to right in alphabetical order?

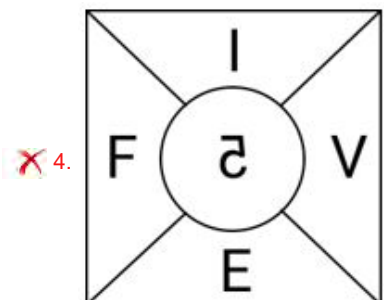
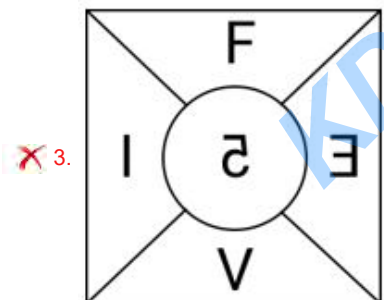
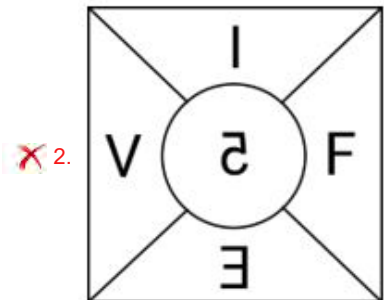
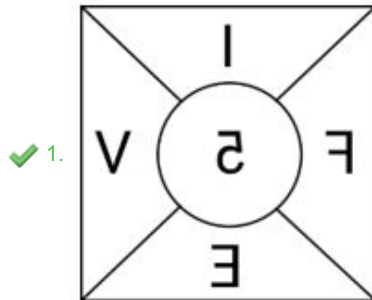
- Ans**
- 1. None
 - 2. Three
 - 3. One
 - 4. Two

KD JOB UPDATES

Q.14 Select the correct mirror image of the given figure when the mirror is placed at MN.



Ans



Q.15 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- 1) EFINU
- 2) BCFKR
- 3) JKNSZ
- 4) HIMQX

Ans 1. BCFKR

2. JKNSZ

3. EFINU

4. HIMQX

Q.16 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 218?

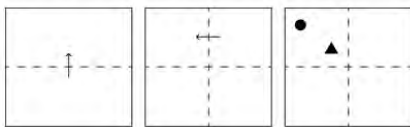
Ans 1. 32 A 8 D 160 B 2 C 42

2. 32 B 8 D 160 C 2 A 42

3. 32 C 8 D 160 A 2 B 42

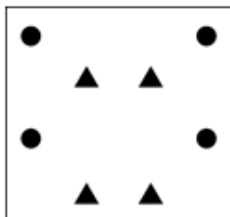
4. 32 B 8 D 160 A 2 C 42

Q.17 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

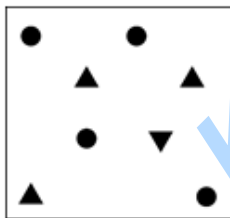


Ans

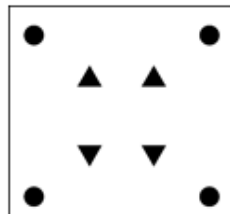
1.



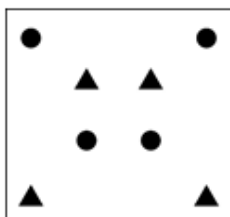
2.



3.



4.



Q.18 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. T̄Z̄L̄H̄B̄D̄
 - 2. T̄Z̄L̄B̄H̄D̄
 - 3. T̄J̄Z̄H̄B̄D̄
 - 4. T̄Z̄L̄H̄B̄D̄

Q.19 In a certain code language

A + B means 'A is the mother of B'

A - B means 'A is the brother of B'

A × B means 'A is the husband of B'

A ÷ B means 'A is the father of B'

Based on the above, how is K related to L if 'K × Q + R - S ÷ L'?

- Ans
- 1. Father's brother
 - 2. Father's father's brother
 - 3. Father's mother's father
 - 4. Father's father

Q.20 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Flower - Petal

- Ans
- 1. Horse - Mare
 - 2. Fruit - Seed
 - 3. Tiny - Large
 - 4. Clarify - Explain

Q.21 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?

AFK, ?, IXM, MTN, QPO

- Ans
- 1. EBC
 - 2. FAL
 - 3. FAE
 - 4. EBL

Q.22 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(5, 4, 41)

(7, 2, 53)

- Ans
- 1. (10, 5, 130)
 - 2. (9, 3, 90)
 - 3. (13, 6, 208)
 - 4. (11, 9, 204)

Q.23 In a certain code language, 'strength to innovate' is coded as '42 64 32' and 'strength to create' is coded as '32 42 24'. What is the code for 'create' in that language?

- Ans
- 1. 32
 - 2. 64
 - 3. 42
 - 4. 24

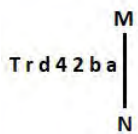
Q.24 Which two numbers should be interchanged to make the given equation correct?

$$15 \times 5 - 75 + (300 \div 6) + 3 \times 19 = 115$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans
- 1. 6 and 5
 - 2. 15 and 19
 - 3. 6 and 3
 - 4. 15 and 6

Q.25 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- 1. $\bar{a} b \Delta \nabla 2 \bar{d} r T$
 - 2. $\bar{e} b \Delta \nabla b \bar{r} T$
 - 3. $\bar{a} d \Delta \nabla P r T$
 - 4. $\bar{a} d 2 \nabla P \bar{r} T$

Q.1 A patient in a hospital is given tea daily in a cylindrical cup of diameter 7 cm. If the cup is filled with tea to a height of 4 cm, how much tea the hospital has to prepare daily to serve 180 patients? (Use $\pi = \frac{22}{7}$)

- Ans
- 1. 22.27 litres
 - 2. 27.27 litres
 - 3. 27.72 litres
 - 4. 22.77 litres

Q.2 Four years ago, Ravi was four times as old as Kavya. Seven years from now, Ravi will be three times as old as Kavya. Find the sum of their present ages.

- Ans
- 1. 122 years
 - 2. 117 years
 - 3. 118 years
 - 4. 115 years

Q.3 Ram spends 30% of his salary on food, 10% on house rent, 7% on entertainment, and 6% on conveyance. If at the end of a month his savings are ₹1,880, then his monthly salary is:

- Ans
- 1. ₹4,000
 - 2. ₹4,500
 - 3. ₹5,000
 - 4. ₹5,500

Q.4 The radii of the two circles are 7 cm and 4 cm. If the distance between their centres is 25 cm, then the length of the transverse common tangent is equal to:

- Ans
- 1. $6\sqrt{11}$ cm
 - 2. $6\sqrt{12}$ cm
 - 3. $6\sqrt{14}$ cm
 - 4. $6\sqrt{13}$ cm

Q.5 A vendor sells his goods using weights 19% less than true weights and makes a profit of 35%. His net gain percentage (rounded off to 2 decimal places) is:

- Ans
- 1. 81.33%
 - 2. 66.33%
 - 3. 81.67%
 - 4. 66.67%

Q.6 Raju and Ramu have more land than Sonu by 15% and 25%, respectively. What is the ratio of land owned by Raju and Ramu?

- Ans
- 1. 15 : 25
 - 2. 21 : 23
 - 3. 23 : 25
 - 4. 25 : 23

Q.7 To finish a work, P takes half of the number of days required by Q to finish it. If they together can finish the work in 36 days, then in how many days Q alone can finish the work?

- Ans
- 1. 84
 - 2. 60
 - 3. 24
 - 4. 108

Q.8 $(8^6 + 1)$ when divided by 7, would leave a remainder of:

- Ans
- 1. 1
 - 2. 4
 - 3. 2
 - 4. 6

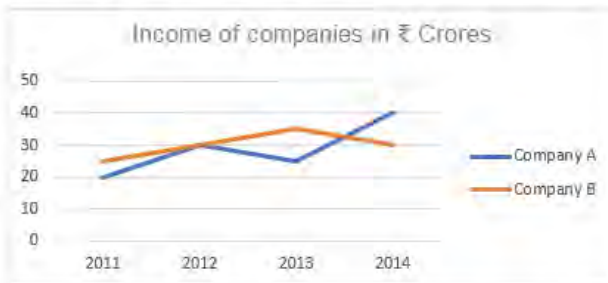
Q.9 In an election between two candidates, A gets 63% of the total valid votes. If the total votes polled were 8,750, what is the number of valid votes that the other candidate B gets, if 20% of the total votes were declared invalid?

- Ans
- 1. 4,410
 - 2. 3,560
 - 3. 6,450
 - 4. 2,590

Q.10 A sum of ₹2,430 gives a simple interest of ₹1,093.50 in 3 years. The rate of interest per annum is:

- Ans
- 1. 20%
 - 2. 10%
 - 3. 15%
 - 4. 25%

Q.11 Read the given information and answer the question that follows.



If Company A makes 25% of income as profit in 2014, then its expenditure in that year is:

- Ans
- 1. ₹32 crores
 - 2. ₹40 crores
 - 3. ₹30 crores
 - 4. ₹35 crores

Q.12 If the radius of a circle is 48 cm and the length of the arc is 15 cm, then the area of the sector corresponding to that arc is:

- Ans
- 1. 360 m²
 - 2. 720 cm²
 - 3. 7200 m²
 - 4. 360 cm²

Q.13 A person reaches his destination 30 minutes late, if his speed is 3 km/h, and reaches 30 minutes before time if his speed is 4 km/h. Find the distance of his destination from his starting point.

- Ans
- 1. 11 km
 - 2. 14 km
 - 3. 12 km
 - 4. 13 km

Q.14 55 workers can finish a work in 16 days. For finishing the same work in 10 days, how many more workers are required?

Ans 1. 88

2. 68

3. 33

4. 31

Q.15 A rectangle with the largest area is cut out of a circle with radius 5 units. What is the area of the remaining portion?

Ans 1. $25(2\pi-3)$

2. $25(2\pi-5)$

3. $25(\pi-3)$

4. $25(\pi-2)$

Q.16 Simplify the following:

$$12 \div 4 \text{ of } 3 \times 6 + 8 \div 16 \text{ of } 4 \times 8 - 4 \div 6 \times 9$$

Ans 1. 1

2. - 1

3. $6\frac{1}{4}$

4. 13

Q.17 A cyclist rides 10 km at an average speed of 15 km/hr and then the next 15 km at an average speed of 10 km/hr. The average speed of the entire ride is:

Ans 1. 20 km/hr

2. 11.54 km/hr

3. 12.5 km/hr

4. 10 km/hr

Q.18 The sum of the digits of a two-digit number is 9. If the digits are reversed, then the number is increased by 27. Find the number.

Ans 1. 63

2. 36

3. 54

4. 45

Q.19 R wishes to use a stick of length 6 units as common internal tangent to two circles of radius two units and three units. What can be the maximum distance (in units) between the centres of the circle?

Ans 1. $\sqrt{67}$

2. $\sqrt{33}$

3. $\sqrt{37}$

4. $\sqrt{61}$

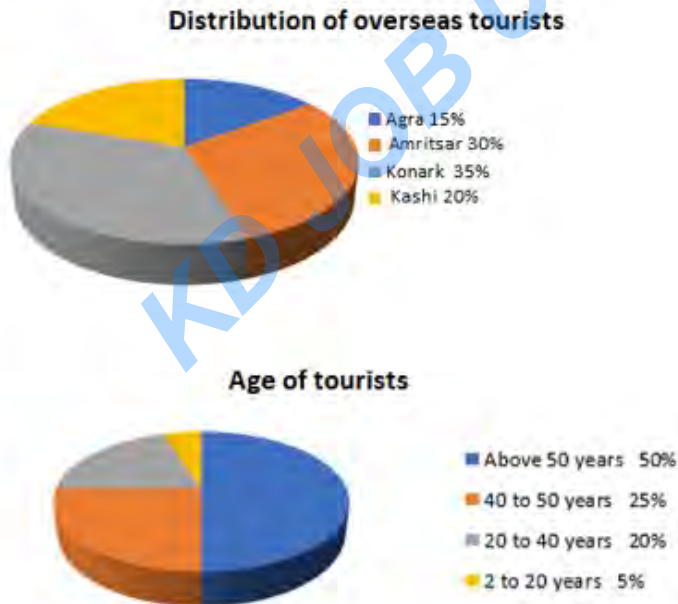
Q.20 A cuboidal water purifier can carry 10 litres of water. Its breadth is $\frac{1}{5}$ of its height and length is $\frac{1}{3}$ of the sum of the breadth and height. The height of the tank is:

- Ans**
- 1. 20 cm
 - 2. 10 cm
 - 3. 80 cm
 - 4. 50 cm

Q.21 If $\tan A = \sqrt{2} - 1$ then find the value of $\sin A \cos A + \tan A$.

- Ans**
- 1. $\frac{24\sqrt{2} + 15}{4}$
 - 2. $\frac{24\sqrt{2} - 15}{4}$
 - 3. $\frac{5\sqrt{2} + 4}{4}$
 - 4. $\frac{5\sqrt{2} - 4}{4}$

Q.22 Study the given pie charts and answer the question that follows.



What percentage of tourists went to Agra and Kashi?

- Ans**
- 1. 15%
 - 2. 35%
 - 3. 20%
 - 4. 17.5%

Q.23 The total number of students in different subjects of a college and percentage of girls and boys are shown in the below table.

Girls students and boys student are NOT having multiple subjects.

Subjects	Number of Students	Girls %	Boys %
Mathematics	840	40	60
Chemistry	220	70	30
Physics	450	30	70
Biology	200	80	20

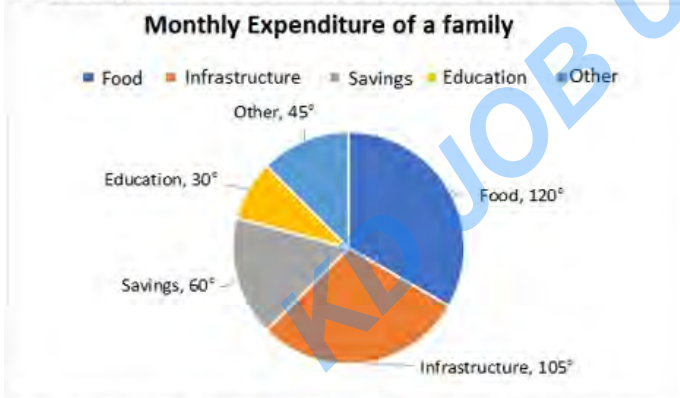
What is the percentage of girl students in the college?

- Ans 1. 45.9
 2. 46.9
 3. 42.9
 4. 45.2

Q.24 A mirror is placed on the ground facing upwards. A man sees the top of a tower in the mirror which is at a distance of 105 m from the mirror. The man is 0.5 m away from the mirror, and his height is 1.5 m. Find the height of the tower (in metres).

- Ans 1. 280
 2. 115
 3. 315
 4. 210

Q.25 The savings and expenditure of a family in a month on different heads is shown in the given pie chart. The family saves ₹8,000 per month.



Find the ratio of the expenditure on food to that on savings.

- Ans 1. 2 : 1
 2. 4 : 1
 3. 3 : 1
 4. 5 : 1

Q.1 Which of the following teams won the Indian Super League 2022-23?

- Ans 1. Bengaluru FC
 2. Mumbai City FC
 3. AKT Mohun Bagan
 4. Hyderabad FC

Q.2 Which of the following statements about Akbar are true?

- 1 He introduced the Mansabdari system.
- 2 He defeated and merged the state of Bijapur in his empire.
- 3 He made Fatehpur Sikri his capital.

- Ans
- 1. All 1, 2, 3
 - 2. Only 1 and 3
 - 3. Only 2 and 3
 - 4. Only 1 and 2

Q.3 A constellation of the northern sky easily recognised by a group of five bright stars forming a slightly irregular 'W' is called:

- Ans
- 1. Cassiopeia
 - 2. Orion
 - 3. Ursa Major
 - 4. Cygnus

Q.4 On 2 March 2023, the Supreme Court delivered an order on appointments to the Election Commission. According to this order, appointments will be done under the recommendation of a committee having which of the following members?

- Ans
- 1.
Prime Minister, Chief Justice of India and Speaker of the Lok Sabha
 - 2.
Prime Minister, Leader of the opposition and Chairman Rajya Sabha
 - 3.
Prime Minister, Leader of the opposition and Chief Justice of India
 - 4.
Prime Minister, Leader of the opposition and Speaker of the Lok Sabha

Q.5 Which of the following Fundamental Rights is available for Indians as well as foreigners?

- Ans
- 1. Right to protection of language, script and culture of minorities
 - 2. Equality of opportunity in matters of public employment
 - 3. Right of minorities to establish and administer educational institutions
 - 4. Right to elementary education

Q.6 In which year was the National Human Rights Commission established in India?

- Ans
- 1. 2003
 - 2. 1995
 - 3. 1993
 - 4. 2005

Q.7 Consider the following:
Which of the following reasons may be considered as India's pull factors for migration?

- 1) Labour demand
- 2) Natural disaster
- 3) Protection of human and civil rights
- 4) High consumption and living standards

- Ans**
- 1. Both 1 and 4
 - 2. Only 2
 - 3. Only 1, 3 and 4
 - 4. Only 2, 3 and 4

Q.8 What is the duration of International hockey match?

- Ans**
- 1. 55 min
 - 2. 50 min
 - 3. 60 min
 - 4. 70 min

Q.9 Which of the following statements is INCORRECT about the Music of India?

- Ans**
- 1. Tala is a cyclic arrangement of time units.
 - 2. The sruti is a unit of measure or small difference between the various consecutive pitches within a grama or a scale.
 - 3. A raga is believed to have started as a tribal or folk tune.
 - 4. The musical instrument Kamaicha is majorly used by the 'Manganiar' Community of Manipur as a popular accompaniment to their songs

Q.10 The Himalayas' outermost range is called _____.

- Ans**
- 1. Shiwaliks
 - 2. Kanchenjunga
 - 3. Dhaula Dhar
 - 4. Pir Panjal

Q.11 Which of the following is NOT a characteristics of the National Investment and Manufacturing Zones (NIMZs) of India?

- Ans**
- 1. A special purpose vehicle will be constituted to take care of the functioning of NIMZs.
 - 2. The state government will provide power connectivity, water and other infrastructural facilities.
 - 3. It prescribes a minimum area of 10000 hectares for establishing NIMZs.
 - 4. At least 30% of the total land area proposed for the NIMZ is to be utilized for manufacturing units.

Q.12 In MS Word, which icon from the icons below the Menu Bar is commonly used to save the current document?

- Ans
- 1. The undo icon
 - 2. The envelope icon
 - 3. The printer icon
 - 4. The floppy disk icon

Q.13 Which revolutionary organisation was established at Feroz Shah Kotla in New Delhi in 1928?

- Ans
- 1. Indian Home Rule Society
 - 2. Hindustan Socialist Republican Association
 - 3. Swadesh Bandhab Samiti
 - 4. Bharat Naujawan Sabha

Q.14 Which of the following is/are an example of public goods?

- a) Defense
- b) House

- Ans
- 1. Both a and b
 - 2. Only b
 - 3. Neither a nor b
 - 4. Only a

Q.15 Which of the following persons was appointed Chairman of the Second National Judicial Pay Commission?

- Ans
- 1. Justice PV Reddi
 - 2. Justice JS Verma
 - 3. Justice R Basant
 - 4. Justice AS Anand

Q.16 Which of the following states is famous for celebrating the festival of Vijaya Dashami, which marks the end of Durga Puja?

- Ans
- 1. West Bengal
 - 2. Rajasthan
 - 3. Telengna
 - 4. Chhattisgarh

Q.17 In addition to using the arrow keys and mouse clicks, what other method can be used to move around a table in Microsoft Word?

- Ans
- 1. Pressing the 'Ctrl' key and clicking on the cell
 - 2. Pressing the 'Enter' key or using the scroll wheel
 - 3. Using the Tab key or double-clicking on the cell
 - 4. Right-clicking on the cell and selecting 'Move to Next Cell'

Q.18 Where is the renowned Bhatkhande music institute located?

- Ans
- 1. Chennai
 - 2. Lucknow
 - 3. Surat
 - 4. Madurai

Q.19 In which year did the Bhopal gas tragedy occur?

- Ans 1. 1984
 2. 1982
 3. 1988
 4. 1985

Q.20 Which of the following Amendment Acts led to the insertion of Article 21 A?

- Ans 1. Eighty-seventh Amendment Act, 2003
 2. Eighty-fourth Amendment Act, 2002
 3. Eighty-sixth Amendment Act, 2002
 4. Eighty-fifth Amendment Act, 2002

Q.21 Rukmini Devi Arundale is associated with which art form?

- Ans 1. Dance
 2. Kalaripayattu
 3. Mural
 4. Painting

Q.22 In which of the following states is the Sanchi Stupa UNESCO world heritage site located?

- Ans 1. Madhya Pradesh
 2. Rajasthan
 3. Bihar
 4. Punjab

Q.23 In 1812, who described the hypothesis that equal volumes of different gases contain an equal number of molecules?

- Ans 1. John Dalton
 2. Albert Einstein
 3. James Watt
 4. Amedeo Avogadro

Q.24 National Sports Day is celebrated on the birthday of _____.

- Ans 1. Kapil Dev
 2. Roop Singh
 3. Major Dhyan Chand
 4. MS Dhoni

Q.25 Identify a carbohydrate but does not fit into the definition.

- Ans 1. Maltose
 2. Sucrose
 3. Fructose
 4. Rhamnose

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Baruipur
Exam Date	10/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Since childhood, Monty / ate his food / fast and he / will not change.

Ans 1. ate his food

2. will not change

3. Since childhood, Monty

4. fast and he

Q.2 The following sentence has been divided into four parts. Identify the part that contains an error.

(A) It is sad / (B) that you / (C) are believing / (D) in superstitious rituals.

Ans 1. B

2. C

3. A

4. D

Q.3 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

After your insistence, / my sister / checked / a mailbox again.

Ans 1. After your insistence,

2. my sister

3. checked

4. a mailbox again.

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

In order to connect / these themes to a wider / historical context, Rahul go / beyond aesthetic analysis.

Ans 1. these themes to a wider

2. historical context, Rahul go

3. In order to connect

4. beyond aesthetic analysis

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 5**Q.5 Select the most appropriate option to fill in blank no. 1**Ans 1. frustrating 2. exciting 3. interesting 4. surprising**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 6**Q.6 Select the most appropriate option to fill in blank no. 2.**Ans 1. wandering 2. interesting 3. tiring 4. worrying**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 7**Q.7 Select the most appropriate option to fill in blank no. 3.**Ans 1. enhance 2. commit 3. discover 4. convince

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. attempt
 2. imagine
 3. announce
 4. lead

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There is nothing more (1)_____ than when you sit down at your table to study with the most sincere of intentions and instead of being able to finish the task at hand you find your thoughts (2)_____. However, there are certain techniques that you can use to (3)_____ your concentration. To begin with, one should (4)_____ to create the physical environment that is conducive to (5)_____ thought.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. focussed
 2. joyful
 3. cautious
 4. dazzling

Q.10 Select the most appropriate ANTONYM of the given word.

Innovate

- Ans 1. Solve
 2. Finance
 3. Invent
 4. Copy

Q.11 Select the correct spelling of the underlined word in the given sentence.

She decided to file a complaint with HR after being harrasad by her supervisor for several weeks.

- Ans 1. harrased
 2. harassed
 3. harrassd
 4. harased

Q.12 Select the most appropriate option that can substitute the underlined word in the following sentence.
They studied during three hours.

- Ans 1. for
 2. by
 3. at
 4. from

Q.13 Select the most appropriate synonym of the given word.
Estimate

- Ans 1. Appropriate
 2. Evaluate
 3. Profit
 4. Verify

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.
We shall rehearse thrice before the final performance at least we make errors in the dialogues.

- Ans 1. can we make errors
 2. for we make errors
 3. lest we make errors
 4. but we make errors

Q.15 Select the most appropriate idiom to fill the blank in the given situation.

They were waiting for their family members who were returning from a pilgrimage. Therefore, they were _____ on the platform.

- Ans 1. running behind time
 2. playing a joke
 3. rolling up their sleeves
 4. pacing up and down

Q.16 Select the INCORRECTLY spelt word.

- Ans 1. Stretch
 2. Appraisal
 3. Genuine
 4. Definate

Q.17 Select the most appropriate synonym of the underlined word.

The removal of petty restrictions has made life easier.

- Ans 1. Consequential
 2. Small
 3. Large
 4. Big

Q.18 Select the most appropriate option that can substitute the underlined words in the given sentence.

This newly arisen evidence could have proved to finally put the culprit behind bars.

- Ans
- 1. could have been proven
 - 2. can be proven
 - 3. is proof
 - 4. can proof

Q.19 Select the most appropriate ANTONYM for the underlined word in the given sentence.

Because the politician made a candid speech, he earned the respect of the voters.

- Ans
- 1. Reckless
 - 2. Reticent
 - 3. Deceitful
 - 4. Prudent

Q.20 Select the most appropriate ANTONYM of the underlined word.

The government is planning to abolish child care leave for female employees.

- Ans
- 1. Ensure
 - 2. Eradicate
 - 3. Encourage
 - 4. Establish

Q.21 Select the most appropriate meaning of the underlined idiom in the following sentence.

Manish told Rounak time and again of the ill consequences of his habit of being late to the college.

- Ans
- 1. Not often
 - 2. Hardly ever
 - 3. Repeatedly
 - 4. At intervals

Q.22 Select the most appropriate option to fill in the blank.

I am doubtful about his story, though you seem to be _____.

- Ans
- 1. pleasant
 - 2. uncertain
 - 3. regretting
 - 4. convinced

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

If you give away smoking, your health will improve.

- Ans
- 1. give off
 - 2. give out
 - 3. No substitution required
 - 4. give up

Q.24 Select the most appropriate option to fill in the blank.

Seema has a dominating nature, so she wants to _____ of everything in her life.

- Ans 1. keep control
 2. keep record
 3. keep calm
 4. keep touch

Q.25 Select the most appropriate ANTONYM of the given word.

Powerful

- Ans 1. Strong
 2. Manly
 3. Impotent
 4. Wild

Q.1 The position of how many letters will remain unchanged if each of the letters in the word DETAIL is arranged in the alphabetical order?

- Ans 1. One
 2. Three
 3. Two
 4. None

Q.2 What should come in place of the question mark (?) in the given series?

268, 259, 250, 241, 232, ?

- Ans 1. 224
 2. 221
 3. 220
 4. 223

Q.3 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$204 \times 4 - 9 \div 2 + 6 = ?$$

- Ans 1. 61
 2. 63
 3. 62
 4. 64

Q.4 In a certain code language, 'PBI' is coded as '27' and 'ZEBRA' is coded as '125'. What is the code for 'BIRD' in the given code language?

- Ans 1. 37
 2. 64
 3. 25
 4. 49

Q.5 In a certain code language, 'cooler is hot' is written as 'tp rc dl' and 'hot weather comes' is written as 'rc dn nz'. How is 'hot' written in the given language?

- Ans**
- 1. nz
 - 2. dl
 - 3. rc
 - 4. dn

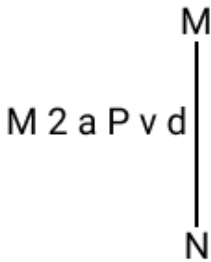
Q.6 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Strong : Robust

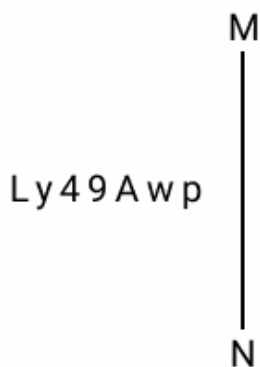
- Ans**
- 1. Kind : Generous
 - 2. Knowledge : Ignorance
 - 3. Create : Destroy
 - 4. Brave : Fearful

Q.7 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- 1. p v d a 2 M
 - 2. b v q s M
 - 3. P v d a S M
 - 4. b v d a 2 M

Q.8 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans**
- 1. d w A e t y J
 - 2. A w p e t y J
 - 3. q w v 6 t y L
 - 4. q w A e t y J

Q.9 What should come in place of the question mark (?) in the given series?

13, 17, 26, ?, 67, 103, 152

- Ans
- 1. 59
 - 2. 42
 - 3. 33
 - 4. 47

Q.10 What will come in the place of '?' in the following equation if 'x' and '-' are interchanged and '+' and '÷' are interchanged?

$36 + 18 \times 9 \div 13 - 19 = ?$

- Ans
- 1. 280
 - 2. 240
 - 3. 246
 - 4. 234

Q.11 If 20 March 2011 was Sunday, then what was the day of the week on 20 March 2019?

- Ans
- 1. Monday
 - 2. Saturday
 - 3. Wednesday
 - 4. Friday

Q.12 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Dawn – Sunrise

- Ans
- 1. Touch – Toes
 - 2. Old – New
 - 3. Joy – Sad
 - 4. Easy – Simple

Q.13 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

I	B	I	X	
X	♥	B	7	X
7	♥	7	B	?

Ans

1.

B		
♥	I	7
X		

2.

I		
B	X	♥
7		

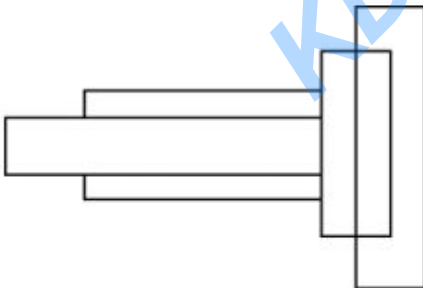
3.

I		
B	7	X
♥		

4.

B		
I	X	7
♥		

Q.14 How many rectangles are there in the given figure?



Ans 1.7

2.5

3.6

4.8

Q.15 Which of the following letter-clusters will replace the question mark (?) in the given series?

PAZ, REV, TIR, VOL, ?

- Ans 1. XUF
 2. XVF
 3. XUE
 4. XVG

Q.16 What should come in place of ? in the given series based on the English alphabetical order?

JMP UZE FMT QZI ?

- Ans 1. SLP
 2. XHN
 3. BMX
 4. LNP

Q.17 In a certain code language,
 'M & N' means 'M is the wife of N',
 'M @ N' means 'M is the brother of N',
 'M \$ N' means 'M is the daughter of N',
 'M # N' means 'M is the son of N'.
 Based on the above, how is Q related to N if 'N # M @ O \$ P & Q'?

- Ans 1. Brother
 2. Father
 3. Father's father
 4. Mother's father

Q.18 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All water is earth.

All earth is fire.

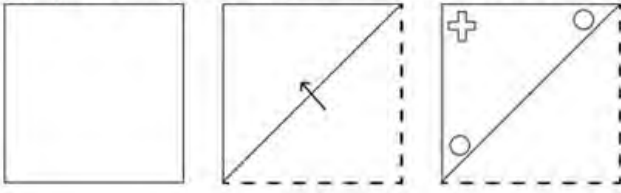
Some fire is air.

Conclusion (I): Some air is earth.

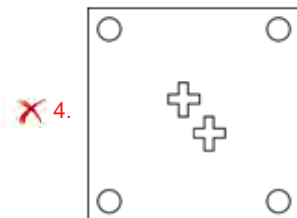
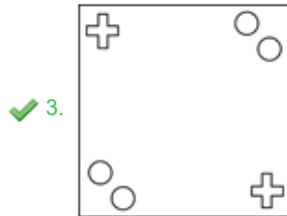
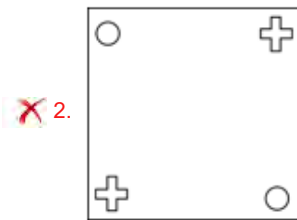
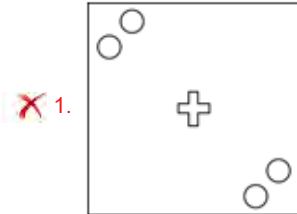
Conclusion (II): Some fire is water.

- Ans 1. Neither conclusion (I) nor (II) follows.
 2. Only conclusion (II) follows.
 3. Only conclusion (I) follows.
 4. Both conclusions (I) and (II) follow.

Q.19 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Q.20 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(6, 12, 48)

(8, 16, 64)

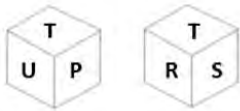
Ans 1. (14, 28, 112)

2. (12, 28, 112)

3. (14, 28, 110)

4. (14, 24, 112)

Q.21 Six letters N, P, R, S, T and U are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the letter on the face opposite to the face containing U?



- Ans
- 1. N
 - 2. R
 - 3. P
 - 4. S

Q.22 Choose the alternative which closely resembles the mirror image of the given combination.



- Ans
- 1. nETFLICKs
 - 2. sKcILFEn
 - 3. sKcILFEn
 - 4. sKcILFEn

Q.23 72 is related to 8 following a certain logic. Following the same logic, 198 is related to 22. To which of the following is 351 related following the same logic?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 43
 - 2. 39
 - 3. 41
 - 4. 37

Q.24 Three of the following four letter-clusters are alike in a certain way and thus form a group. Select the letter-cluster that does NOT belong to that group (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans
- 1. FJN
 - 2. XBF
 - 3. QUY
 - 4. LHJ

Q.25 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?
82 B 6 D 114 A 2 C 35 = ?

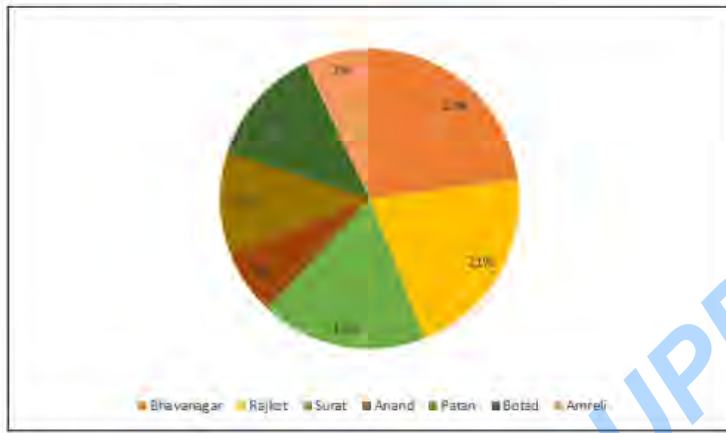
- Ans
- 1. 460
 - 2. 480
 - 3. 450
 - 4. 470

Q.1 In an election there were three candidates. The first candidate got 40% votes and second candidate got 35% votes. If the total votes in the election are 50,000, find the number of votes got by the third candidate.

- Ans
- 1. 13,500
 - 2. 12500
 - 3. 12000
 - 4. 1250

Q.2 The given pie chart shows the total number of passengers (in percentage) travelling from Ahmedabad junction to various districts. Study the pie chart and answer the question that follows.

Total number of passengers travelling from Ahmedabad junction to various districts = 8,000



What is the average number of passengers travelling from Ahmedabad to Surat, Botad and Bhavanagar together?

- Ans
- 1. 1510
 - 2. 1360
 - 3. 1220
 - 4. 1440

Q.3 In an isosceles triangle ABC, $AB=AC$. D is a point inside the triangle such that $\angle BAD = 20^\circ = \angle DCB$, $\angle CAD = 80^\circ$. The value of $\angle ABC$ is:

- Ans
- 1. 20°
 - 2. 25°
 - 3. 15°
 - 4. 40°

Q.4 The following table shows the production of food grains in a country over five years.

Year	Production (in ten lakh tonnes)			
	Wheat	Rice	Maize	Other grains
2016-17	650	250	200	450
2017-18	800	440	240	400
2018-19	680	390	220	500
2019-20	700	400	260	480
2020-21	640	440	300	520

What was the percentage increase in the production of rice in 2020-21 in comparison to the previous year?

- Ans**
- 1. 25%
 - 2. 40%
 - 3. 20%
 - 4. 10%

Q.5 The length (in cm) of a direct common tangent to two circles of radii 14 cm and 5 cm whose centres are separated by a distance of 40 cm is:

- Ans**
- 1. 40 cm
 - 2. 41 cm
 - 3. $\sqrt{1539}$ cm
 - 4. $\sqrt{1519}$ cm

Q.6 P and Q can do a work in 12 days and 9 days, respectively. They both worked together and earned ₹63,000. The share of P (in ₹) is:

- Ans**
- 1. 21,000
 - 2. 9,000
 - 3. 27,000
 - 4. 36,000

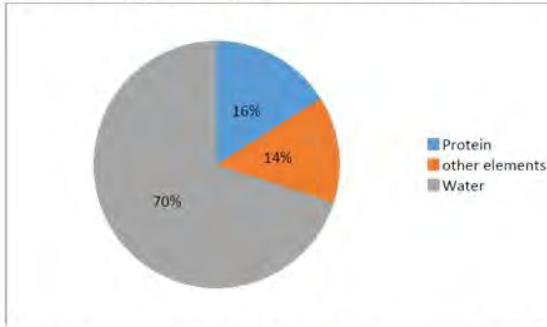
Q.7 Ratna buys 10 kg of rice for ₹88 per kg and another 20 kg of rice for ₹187 per kg. What is the per kg cost (in ₹) of the total mixture of rice for her?

- Ans**
- 1. 150
 - 2. 148
 - 3. 154
 - 4. 158

Q.8 Shopkeeper A marks up his price for an item at 25% and offers a discount of 15%. The same item is marked at 20% by another shopkeeper B and sold at a discount of 12%. Who gets a better deal in terms of % profit and by what profit percentage he sells that item?

- Ans**
- 1. A by 0.55%
 - 2. B by 0.65%
 - 3. B by 5.6%
 - 4. A by 6.25%

Q.9 The following pie chart gives the distribution of constituents in the human body.



What is the central angle of the sector showing the distribution of protein and other constituents?

- Ans
- 1. 45°
 - 2. 108°
 - 3. 34°
 - 4. 120°

Q.10 A policeman was asked to chase a thief. Before the policeman started the chase, he realised that the thief was 200 metres ahead of him and was running at a speed of 16 km/h. The policeman started the chase at a speed of 20 km/h. How far will the thief run before he is overtaken by the policeman?

- Ans
- 1. 600 m
 - 2. 700 m
 - 3. 800 m
 - 4. 1000 m

Q.11 P got married 15 years ago. Today her age is $1\frac{3}{5}$ times her age at the time of her marriage. At present her son's age is $\frac{1}{5}$ of her age. What was her son's age 4 years ago as a fraction of P's age at that time?

- Ans
- 1. $\frac{1}{9}$
 - 2. $\frac{1}{8}$
 - 3. $\frac{5}{9}$
 - 4. $\frac{1}{10}$

Q.12 If $x : y = 5 : 6$, then $2x + 3y : 3x + 5y$ is:

- Ans
- 1. 18 : 35
 - 2. 28 : 45
 - 3. 18 : 45
 - 4. 28 : 48

Q.13 After an increase of 9% in salary, a person received ₹6,300. What was his salary before the increase (consider integral part only)?

- Ans 1. ₹5,000
 2. ₹3,879
 3. ₹5,779
 4. ₹4,000

Q.14 A certain sum of money is lent out at simple interest. If that money becomes ₹24,000 in 2 years and ₹32,000 in 4 years, the annual rate of interest is:

- Ans 1. 20%
 2. 25%
 3. 16%
 4. 30%

Q.15 A line from point A is drawn that is tangent to the circle at point B. A secant is also drawn from point A to the circle intersecting it at points C and D. If AB = 42 cm and AC = 21 cm, then what is the ratio between AB and CD?

- Ans 1. 3 : 2
 2. 2 : 5
 3. 3 : 4
 4. 2 : 3

Q.16 If $A = 60 \left[\frac{6}{25} \div \left(\frac{16}{15} \text{ of } \frac{3}{8} \right) + 5 - \left(1 - 2\frac{1}{12} \right) \right]$, then the sum of the digits of A is:

- Ans 1. 3
 2. 7
 3. 5
 4. 6

Q.17 If $A = \frac{9}{16} \div \frac{25}{36}$, $B = 9 \div [(16 \div 25) \div 36]$, $C = [9 \div (16 \div 25)] \div 36$, $D = (9 \div 16) \div (25 \div 36)$, then which of the following is true?

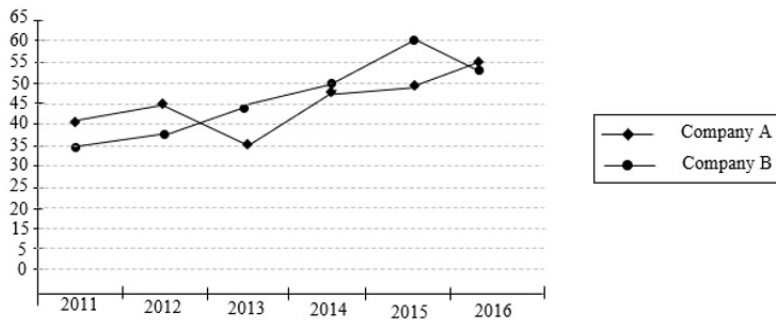
- Ans 1. B and D are equal.
 2. A and B are equal.
 3. C and D are equal.
 4. A and D are equal.

Q.18 A cube of edge 4 cm is cut into cubes each of edge of 2 cm. The ratio of the total surface area of one of the small cubes to that of the large cube is equal to:

- Ans 1. 1 : 4
 2. 1 : 64
 3. 1 : 8
 4. 1 : 16

Q.19 Study the given graph and answer the question that follows.

The graph shows the profit percentage earned by two companies – A and B over a period of six years.



If the income of the company A in the year 2012 was ₹6.425 lakh, what was its expenditure in that year?

- Ans**
- 1. ₹4.5 lakh
 - 2. ₹5.2 lakh
 - 3. ₹4.7 lakh
 - 4. ₹4.43 lakh

Q.20 A vendor buys 20 dozen bananas for ₹1,200 and sells 5 dozen for ₹350, then his gain percentage is:

- Ans**
- 1. $15\frac{1}{3}\%$
 - 2. $16\frac{2}{3}\%$
 - 3. $13\frac{2}{3}\%$
 - 4. $21\frac{1}{3}\%$

Q.21 The volume of the hemisphere (to the nearest integer) with a radius of 5.5cm is (use $\pi=3.14$):

- Ans**
- 1. 348 cm^3
 - 2. 378 cm^3
 - 3. 362 cm^3
 - 4. 325 cm^3

Q.22 The curved surface area of a right circular cone is $20\pi\text{ cm}^2$. If its radius is 4 cm, then find the volume of cone.

- Ans**
- 1. $21\pi\text{ cm}^3$
 - 2. $20\pi\text{ cm}^3$
 - 3. $16\pi\text{ cm}^3$
 - 4. $18\pi\text{ cm}^3$

Q.23 If $f(p) = \sin^{p+2} x + \cos^{p+2} x$, then the value of $6f(2) - 4f(4) + 10f(0)$ is:

- Ans 1. 12
 2. 10
 3. 11
 4. 14

Q.24 The ratio of the outer and the inner circumference of a circular path is 7:6. If the path is 45 m wide, then what is the radius (in m) of the inner circle?

- Ans 1. 240
 2. 270
 3. 150
 4. 120

Q.25 When 12 is subtracted from a number, it reduces to its 40%. Two-fifth of that number is:

- Ans 1. 20
 2. 50
 3. 12
 4. 8

Q.1 What function does the public key serve in digital signature verification?

- Ans 1. To encrypt the digital signature
 2. To decrypt the digital signature
 3. To ensure confidentiality during transmission
 4. To calculate the hash value of the message or file content

Q.2 The catchphrase of which census is 'Our census, our future'?

- Ans 1. 2011
 2. 1981
 3. 2001
 4. 1991

Q.3 Who took oath as the Chief Minister of Karnataka, in May 2023?

- Ans 1. Siddaramaiah
 2. Mallikarjun Kharge
 3. DK Sivakumar
 4. MK Stalin

Q.4 Which of the following awards is presented for lifetime achievement in sports and games? It was instituted to honour those sportspersons who have contributed to sports by their performance and continue to contribute to the promotion of sports even after their retirement from an active sporting career.

- Ans**
- 1. Major Dhyan Chand Khel Ratna
 - 2. Arjuna Award
 - 3. Dhyanchand Award
 - 4. Dronacharya Award

Q.5 Which of the following is NOT a condition for acquiring the citizenship of India?

- Ans**
- 1. Registration
 - 2. Descent
 - 3. Domicile
 - 4. Holding property

Q.6 Which of the following muscles regulates the exit of food from the stomach into the small intestine?

- Ans**
- 1. Gastrocnemius
 - 2. Rectus
 - 3. Pectoralis
 - 4. Sphincter

Q.7 'Tamu Lochar' is one of the traditional festivals of the _____ of Sikkim. It is celebrated to mark the beginning of their new year, which falls on the 15th day of Pusa, according to the Hindu calendar Vikram Samvat and 30th December in the English calendar.

- Ans**
- 1. Gurung community
 - 2. Bhutia community
 - 3. Mangar community
 - 4. Lepcha community

Q.8 Which of the following is the official language of Afghanistan?

- Ans**
- 1. Uzbek
 - 2. Dari
 - 3. Turkmen
 - 4. Dhivehi

Q.9 In the year 2021, the Department of Public Enterprises has now been made part of the _____ Ministry, to speed up the privatisation process and exercise greater financial control over the state-run-enterprises.

- Ans**
- 1. Finance
 - 2. Micro, Small and Medium Enterprises
 - 3. Heavy Industries and Public Enterprises
 - 4. Commerce and Industry

Q.10 Which planet is the second largest planet in our solar system and also has the biggest and brightest rings around it?

- Ans 1. Saturn
 2. Jupiter
 3. Earth
 4. Uranus

Q.11 How many times has India hosted the ICC Men's T-20 Cricket World Cup as of 2023?

- Ans 1. 1
 2. 2
 3. 3
 4. 4

Q.12 Which of the following is an example of multi-factor authentication for PC security?

- Ans 1. Firewall protection
 2. Fingerprint scan
 3. Antivirus software
 4. OS protection

Q.13 Which of the following is NOT applicable to force?

- Ans 1. Force may increase the mass of the object
 2. Force may change the direction of a moving object
 3. Force may make an object move
 4. Force may change the shape of an object

Q.14 How many basic talams are there in Indian Classical Carnatic music?

- Ans 1. 7
 2. 11
 3. 37
 4. 21

Q.15 Which of the following is a feature of Directive Principles of State Policy, and also distinguishes it from Fundamental Rights?

- Ans 1. It is justiciable.
 2. It protects the interest of the individual.
 3. It is non-justiciable.
 4. It is prohibitive in nature.

Q.16 Bharatanatyam dance form is associated with:

- Ans 1. Himachal Pradesh
 2. Haryana
 3. Karnataka
 4. Tamil Nadu

Q.17 As of 2022, which among of the following is the leading tidal energy generation site of India?

- Ans 1. Sunderbans
 2. Gulf of Kutch
 3. Seashore of Maharashtra
 4. Gulf of Mannar

Q.18 Match the items in List I with those in List II.

List I

List II

- | | |
|--------------------------------------|------------------------|
| i. Balanced Growth Theory | a. Rosenstein Rodan |
| ii. Big Push Theory | b. Feldman-Mahalanobis |
| iii. Secular Deterioration | c. Ragnar Nurkse |
| iv. Capital Goods and Heavy Industry | d. Prebisch-Singer |

- Ans 1. i-c, ii-d, iii-a, iv-b
 2. i-a, ii-b, iii-d, iv-c
 3. i-c, ii-a, iii-d, iv-b
 4. i-d, ii-a, iii-b, iv-c

Q.19 Which was the first socio-religious organisation established in Bombay in 1840 to work for the annihilation of caste?

- Ans 1. Dharma Sabha
 2. Satyashodhak Samaj
 3. Paramhans Mandali
 4. Vishwa Jain Sangathan

Q.20 What is the minimum number of football players required in a team for a match to start?

- Ans 1. 10
 2. 11
 3. 7
 4. 8

Q.21 With which Gharana is the famous Tarana singer, Pandit Rattan Mohan Sharma associated?

- Ans 1. Patiala Gharana
 2. Agra Gharana
 3. Talwandi Gharana
 4. Mewati Gharana

Q.22 The founder of the Pala empire was:

- Ans 1. Gopala
 2. Dharmapala
 3. Devapala
 4. Rayala

Q.23 Competitive behaviour and competitive market structure are _____ related.

- Ans 1. not
 2. inversely
 3. directly
 4. proportionately

Q.24 The Gulf of Khambhat, the Gulf of Kutch and Gangetic delta provide ideal conditions for utilising _____ energy.

- Ans 1. geo thermal
 2. solar
 3. tidal
 4. atomic

Q.25 'Reservation in promotion' comes under which Article of the Constitution?

- Ans 1. Article 19 (2)
 2. Article 14 (4A)
 3. Article 16 (4A)
 4. Article 15 (3B)

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	Pawan Ganga Educational Center 2
Exam Date	10/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

I used to eat into / in the evening / when my parents / were on night shifts.

- Ans**
- 1. in the evening
 - 2. when my parents
 - 3. I used to eat into
 - 4. were on night shifts

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

(1) Ganga was (2) out shopping at the mall (3) and ran over (4) her schoolmate.

- Ans**
- 1. 3
 - 2. 1
 - 3. 2
 - 4. 4

Q.3 Select the option with the correct use of future tense.

- Ans**
- 1. If you work hard in the same manner, you will soon achieve success.
 - 2. If you worked hard in the same manner, you will soon achieve success.
 - 3. If you had work hard in the same manner, you will soon achieve success.
 - 4. If you have work hard in the same manner, you will soon achieve success.

Q.4 The following sentence has been split into four segments. Identify the segment that contains an error.

Shall have / you bring / your note-book / tomorrow?

- Ans**
- 1. tomorrow
 - 2. your note-book
 - 3. Shall have
 - 4. you bring

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1.

Ans 1. it

2. this

3. these

4. that

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

Ans 1. Redundant

2. Sporadic

3. Constant

4. Interrupted

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

Ans 1. to

2. for

3. in

4. into

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. chasing
 2. pursuing
 3. constructing
 4. trailing

Comprehension:

In the following passage, some words have been left out. Select the most appropriate option to fill in each blank.

In today's fast-paced and technology-driven world, (1) _____ is crucial to disconnect occasionally for the sake of our health. (2) _____ exposure to screens and the demands of the digital era can lead to stress, anxiety and reduced well-being. Taking time to unplug and engage (3) _____ activities that promote relaxation, such as spending time in nature, (4) _____ hobbies or simply enjoying quality time with loved ones allows us to recharge, find balance and (5) _____ our mental and physical health.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. precede
 2. prioritise
 3. focus
 4. underscore

Q.10 Complete the given sentence with an appropriate homophone from the given options.

There was no one _____ a few of my friends.

- Ans 1. expect
 2. accept
 3. excerpt
 4. except

Q.11 Select the INCORRECTLY spelt word.

- Ans 1. Haphazard
 2. Circumlocution
 3. Disintigrate
 4. Connoisseur

Q.12 Select the most appropriate option to substitute the underlined segment in the following sentence.

There was some drawing-pins in my desk.

- Ans 1. There is some
 2. Theirs some
 3. There has some
 4. There are some

Q.13 Select the most appropriate option to substitute the underlined part of the given sentence.

Mr. Sengupta's complaint to the higher authority was only a red herring.

- Ans
- 1. discouraging act
 - 2. clever bluff
 - 3. candid confession
 - 4. fortunate evidence

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The stone was also said to have occult powers.

- Ans
- 1. unfathomable
 - 2. ambiguous
 - 3. intelligible
 - 4. latent

Q.15 Select the most appropriate ANTONYM of the given word.

Stoic

- Ans
- 1. Tolerant
 - 2. Fervent
 - 3. Cooperative
 - 4. Apathetic

Q.16 Read the given sentence carefully. Change the meaning of the sentence by replacing the underlined word with its ANTONYM from the following options.

His father warned him not to use vulgar language at home.

- Ans
- 1. decorous
 - 2. licentious
 - 3. impervious
 - 4. ribald

Q.17 Choose an appropriate word that can substitute the bracketed word and complete the sentence meaningfully.

Shelley was very happy (while) I accepted her invitation to her birthday party.

- Ans
- 1. when
 - 2. before
 - 3. after
 - 4. as

Q.18 Select the most appropriate word to fill in the blank.

He has _____ vision because of his illness.

- Ans
- 1. unfocused
 - 2. blurred
 - 3. faded
 - 4. obscured

Q.19 There is a spelling error in the given sentence. Select the option that contains the **INCORRECTLY** spelt word.
The choice of buying a yahct was poor.

- Ans 1. yahct
 2. buying
 3. poor
 4. choice

Q.20 Select the option that will improve the underlined part of the given sentence.

She's under the allusion that she'll get the job.

- Ans 1. illusion
 2. vision
 3. hallucination
 4. unreality

Q.21 Select the most appropriate idiom to complete the given sentence.
With the increasing market prices and stagnant salaries, he is _____.

- Ans 1. beating the rap
 2. taking a break
 3. feeling the pinch
 4. getting it off his chest

Q.22 Select the most appropriate **ANTONYM** of the given word.
Calm

- Ans 1. Upset
 2. Impressed
 3. Quiet
 4. Urban

Q.23 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The common masses have waited for three hours to meet the king in the royal court.

- Ans 1. had waiting
 2. will waiting
 3. has been waiting
 4. have been waiting

Q.24 Select the most appropriate option to fill in the blank.
I don't like dirty cars, so you should keep it _____.

- Ans 1. new
 2. spotless
 3. similar
 4. shabby

Q.25 Select the most appropriate synonym of the given word.

Absurd

- Ans** 1. Abstruse
 2. Irrational
 3. Arbitrary
 4. Sudden

Q.1 What should come in place of ? in the given series based on the English alphabetical order?

VOH YPN BQT ? HSF

- Ans** 1. AXY
 2. ERZ
 3. MOJ
 4. JHI

Q.2 What should come in place of the question mark (?) in the given series?
 160, 187, 216, 247, ?

- Ans** 1. 280
 2. 290
 3. 208
 4. 209

Q.3 Which of the following numbers will replace the question mark (?) in the given series?
 165 192 227 270 321 ?

- Ans** 1. 347
 2. 361
 3. 392
 4. 380

Q.4 If 'A' stands for '+', 'B' stands for '-', 'C' stands for 'x' and 'D' stands for '+', what will come in place of the question mark (?) in the following equation?
 36 B 8 A 56 C 49 D 53 = ?

- Ans** 1. 30
 2. 46
 3. 82
 4. 53

Q.5 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

@ # +	@ @ # # + +	@ @ @ # # # + + +	@ @ @ @ # # # # + + + +	?
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Ans

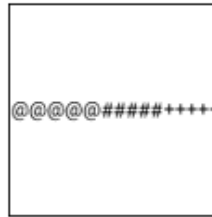
1.



2.



3.

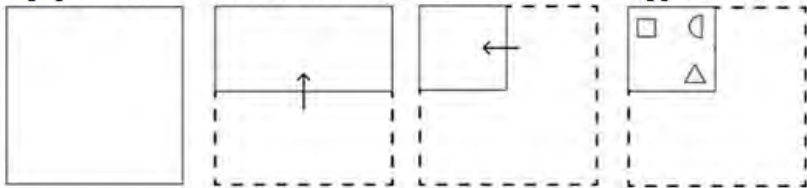


4.

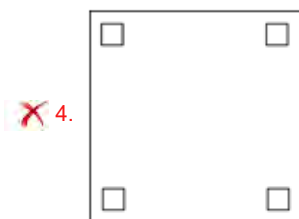
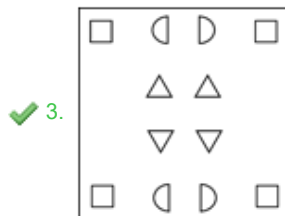
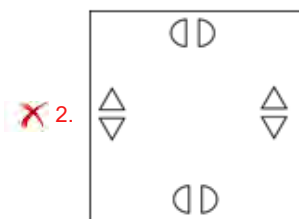
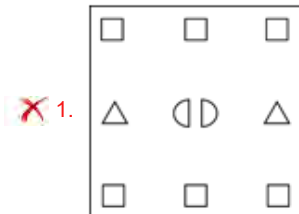


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Q.6 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Q.7 'RENT' is related to 'IVMG' in a certain way based on the English alphabetical order. In the same way, 'PAYABLE' is related to 'KZBZYOV'. To which of the following is 'BARGUANDY' related, following the same logic?

- Ans**
- 1. YZITFAMWB
 - 2. YZITVZMWB
 - 3. YZITFZMYB
 - 4. YZITFZMWB

Q.8 In a certain code language, 'my best friend' is written as 'ck rl mk' and 'friend is life' is written as 'rt mp ck'. How is 'friend' written in the given language?

- Ans**
- 1. rt
 - 2. ck
 - 3. rl
 - 4. mk

Q.9 What should come in place of the question mark (?) in the given series?

23, 44, 65, 86, ?, 128

Ans 1. 107

2. 109

3. 103

4. 105

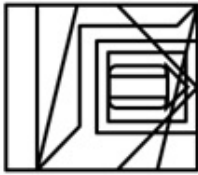
Q.10 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



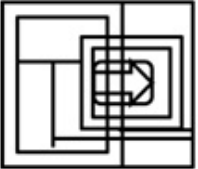
(X)

Ans

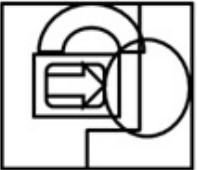
1.



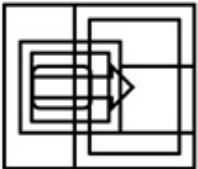
2.



3.



4.



Q.11 The position of how many letters will change if each of the letters in the word SKYLINE is arranged in alphabetical order?

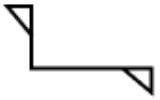
Ans 1. Seven

2. Five

3. Four

4. Six

Q.12 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

Q.13 What will come in the place of '?' in the following equation, if '×' and '÷' are interchanged?

$$45 \times 9 + 23 - 16 \div 7 = ?$$

- Ans
- 1. -64
 - 2. -84
 - 3. -79
 - 4. -76

Q.14 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BRK, XUH, TXE, PAB, ?

- Ans
- 1. LDY
 - 2. NCX
 - 3. MDX
 - 4. MCZ

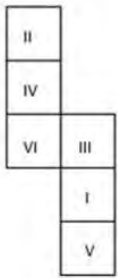
Q.15 'A – B' means 'A is B's wife'.
 'A + B' means 'A is B's brother'.
 'A × B' means 'A is B's father'.
 'A ÷ B' means 'A is B's sister'.
 Using the same meaning of the mathematical operators as given above, in 'T × X ÷ Y + Z' what is T of Z's ?

- Ans** 1. Father
 2. Mother
 3. Son
 4. Brother

Q.16 15 is related to 195 following a certain logic. Following the same logic, 19 is related to 247. To which of the following is 24 related following the same logic?
 (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans** 1. 312
 2. 300
 3. 322
 4. 332

Q.17 What would be the Roman numeral on the opposite side of 'VI' if the given sheet is folded to form a cube?



- Ans** 1. V
 2. I
 3. III
 4. II

Q.18 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' are interchanged?

$$5 - 63 + 9 + 10 \times 6 = ?$$

- Ans** 1. 39
 2. 36
 3. 33
 4. 30

Q.19 The position of how many letters will remain unchanged if each of the letters in the word COMPLEXITY is arranged from left to right in alphabetical order?

- Ans** 1. Two
 2. One
 3. None
 4. Three

Q.20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some laptops are computers.

No computer is a robot.

Some robots are humans.

Conclusions:

(I) All humans can never be computers.

(II) Some robots are laptops

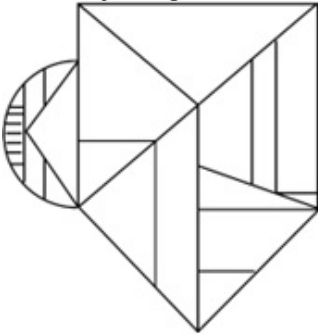
Ans 1. Both conclusions I and II follow

2. Only conclusion I follows

3. Only conclusion II follows

4. None of the conclusions follow

Q.21 How many triangles are there in the given figure?



Ans 1. 11

2. 10

3. 13

4. 12

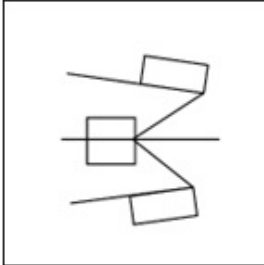
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Q.22 Select the option in which the given figure is embedded (rotation is NOT allowed).

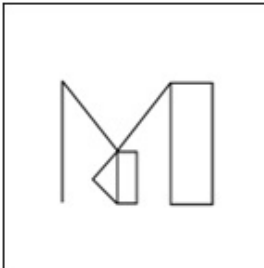


Ans

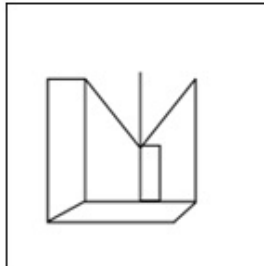
1.



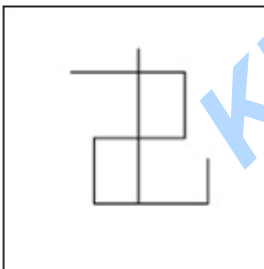
2.



3.



4.



Q.23 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
 (84, 28, 7)
 (144, 48, 12)

Ans 1. (160, 60, 15)

2. (180, 60, 10)

3. (180, 50, 15)

4. (180, 60, 15)

Q.24 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Conquer : Surrender

- Ans 1. Unite : Divide
 2. Lively : Vibrant
 3. Gentle : Mild
 4. Rich : Affluent

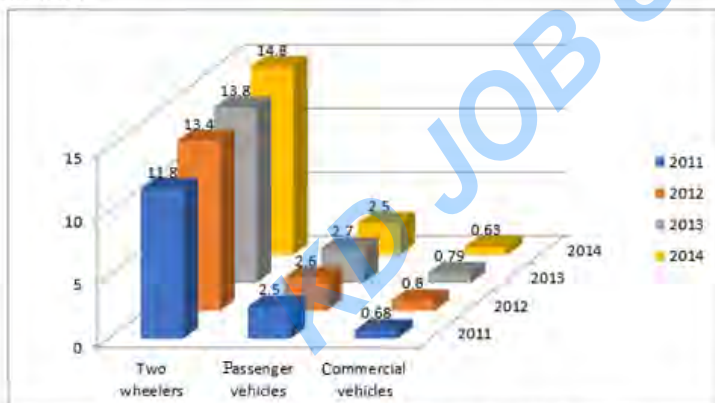
Q.25 In a certain code language,

'A + B' means 'A is the son of B',
 'A - B' means 'A is the brother of B',
 'A × B' means 'A is the wife of B',
 'A ÷ B' means 'A is the daughter of B'.

Based on the above, how is L related to M if 'L - N ÷ O × M + P'?

- Ans 1. Father
 2. Brother
 3. Father's father
 4. Son

Q.1 The given chart represents the sales of automobiles in India (by type, in million units) from the year 2011 to 2014. Study the chart and answer the question that follows.



The number of commercial vehicles sold in 2012 was approximately what percentage of the total number of vehicles sold in 2011? (Correct to two decimal places)

- Ans 1. 3.88%
 2. 5.34%
 3. 4.56%
 4. 6.12%

Q.2 In an election, a candidate secures 40% of the votes, but is defeated by the only other candidate with a majority of 298 votes. Find the total number of votes recorded.

- Ans 1. 1,490
 2. 1,290
 3. 1,270
 4. 1,470

Q.3 A certain sum of money amounts to ₹1,860 in 2 years and to ₹2,130 in $3\frac{1}{2}$ years at simple interest. Find the sum and the rate of interest, respectively.

- Ans 1. ₹1,500, 12%
 2. ₹1,500, 15%
 3. ₹1,200, 10%
 4. ₹1,200, 12%

Q.4 Total number of students in different subjects of a college and percentage of girls and boys are shown in the below table.

Girls students and boys student are NOT having multiple subjects.

Subjects	Number of Students	Girls %	Boys %
Mathematics	840	40	60
Chemistry	220	70	30
Physics	450	30	70
Biology	200	80	20

What is the ratio of girl students of Mathematics and Chemistry to the number of boy students of Physics and Biology?

- Ans 1. 98 : 71
 2. 49 : 39
 3. 61 : 98
 4. 36 : 49

Q.5 Reena and Riya together can complete a piece of work in 36 days. Riya and Geeta together can complete it in 54 days. Reena and Geeta together can complete it in 81 days. In how many days can Reena alone complete the work?

- Ans 1. $82\frac{4}{7}$ days
 2. $97\frac{4}{7}$ days
 3. $87\frac{4}{7}$ days
 4. $92\frac{4}{7}$ days

Q.6 Chords AB and CD of a circle, when produced, meet at a point P outside the circle. If AB = 6 cm, CD = 3 cm and PD = 5 cm, then PB is equal to:

- Ans 1. 9 cm
 2. 4 cm
 3. 8 cm
 4. 6 cm

Q.7 The value of $[3^3\{(40 \times 5) + (7 \times 6)\} \div 11] + (2^3 \times 15 \div 24)$ is:

- Ans
- 1. 559
 - 2. 595
 - 3. 599
 - 4. 959

Q.8 The sides AB and AC of $\triangle ABC$ are produced to points D and E, respectively. The bisectors of $\angle CBD$ and $\angle BCE$ meet at P. If $\angle A = 72^\circ$, then the measure of $\angle P$ is:

- Ans
- 1. 65°
 - 2. 54°
 - 3. 55°
 - 4. 35°

Q.9 Let ABCD be a quadrilateral and AC, BD be diagonals. The length of BD = 20 cm and the heights of the triangles ABD and BCD are, respectively, 6 cm, 8 cm. Find the area of the quadrilateral ABCD (in cm^2).

- Ans
- 1. 140
 - 2. 1282
 - 3. 148
 - 4. 120

Q.10 The cost of 21 pencils and 9 pens is ₹276, and the cost of 6 pencils and 3 pens is ₹84. The cost of 1 pencil and 1 pen is:

- Ans
- 1. ₹10
 - 2. ₹20
 - 3. ₹30
 - 4. ₹40

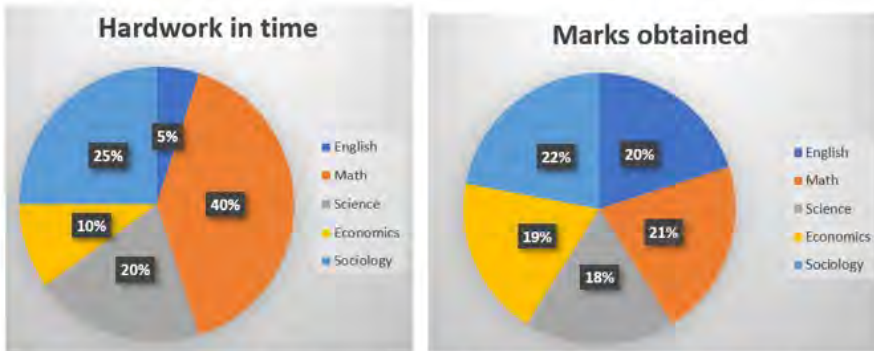
Q.11 Which of the following ratios is greater?

- Ans
- 1. 7 : 4
 - 2. 8 : 3
 - 3. 2 : 3
 - 4. 1 : 5

Q.12 A cuboid with dimensions 20cm, 12cm, and 10 cm is cut into 8 identical pieces by 3 cuts. What will be the total surface area of all the pieces?

- Ans
- 1. 2240 cm^2
 - 2. 1220 cm^2
 - 3. 3360 cm^2
 - 4. 1680 cm^2

Q.13 A student has 5 subjects in an examination. The distribution of hard work of 16 hours a day over 5 subjects and marks obtained 400 out of 500 are shown in the charts.



In which subject did the student get the highest outcome of the hard work (ratio of marks to hard work is highest)?

- Ans**
- 1. Math
 - 2. Science
 - 3. Economics
 - 4. English

Q.14 A merchant sells 195 kg of wheat for ₹10,260 at a profit of ₹4.50 per kg of wheat. What is the cost price (in ₹, to the nearest integer) of 15 kg of wheat?

- Ans**
- 1. 682
 - 2. 750
 - 3. 722
 - 4. 595

Q.15 If $4\sin^2\theta - 4\sqrt{3}\sin\theta + 3 = 0$, then find the value of θ . ($0 < \theta < 90^\circ$)

- Ans**
- 1. 45°
 - 2. 30°
 - 3. 60°
 - 4. 75°

Q.16 Two numbers are, respectively, 30% and 40% more than the third number. The ratio of the second number to the first number is:

- Ans**
- 1. 39:42
 - 2. 14:13
 - 3. 26:28
 - 4. 13:14

Q.17 The centres of two circles of radii 20 cm and 32 cm are 60 cm apart. What is the ratio of the length of the direct common tangent to the length of the transverse common tangent to these circles?

- Ans
- 1. $3\sqrt{7}:\sqrt{3}$
 - 2. $3\sqrt{3}:\sqrt{7}$
 - 3. $3\sqrt{2}:\sqrt{7}$
 - 4. $7\sqrt{3}:3$

Q.18 An article is of size 9 cm × 6 cm × 3 cm. The number of such articles that can be packed in a box measuring 63 cm × 42 cm × 21 cm is:

- Ans
- 1. 196
 - 2. 243
 - 3. 343
 - 4. 49

Q.19 With a uniform speed, a car covers a distance in 16 hours. Had the speed been increased by 20 km/h, the same distance would have been covered in 12 hours. The total distance covered by the car is:

- Ans
- 1. 1080 km
 - 2. 480 km
 - 3. 720 km
 - 4. 960 km

Q.20 Due to decrease in manpower, the production in a factory decreases by 25%. By what per cent should the working hours be increased to restore the original production?

- Ans
- 1. 50%
 - 2. $43\frac{6}{7}\%$
 - 3. $33\frac{1}{3}\%$
 - 4. 25%

Q.21 If $42 \div 3 + k \times 3 - 22 \div 11 + 4 = 28$, then the value of k is:

- Ans
- 1. 0
 - 2. 1
 - 3. 4
 - 4. 2

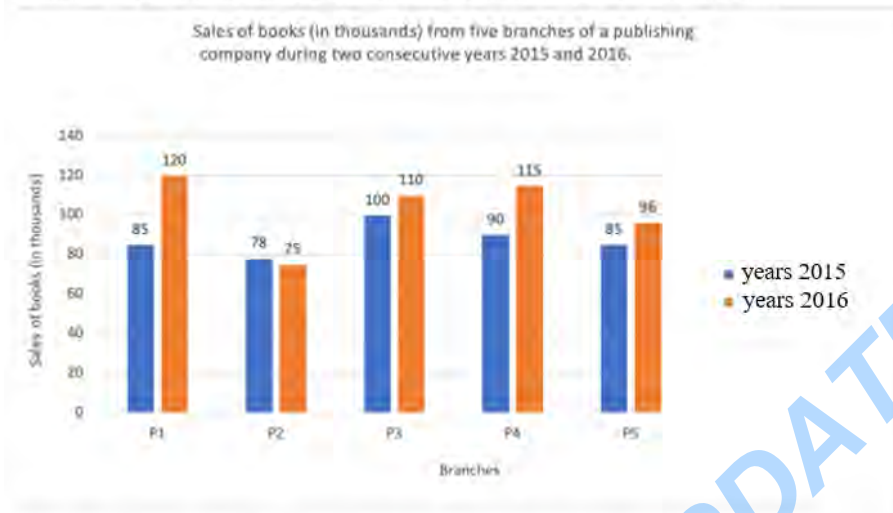
Q.22 A public library has an average attendance of 410 on Sundays and 230 for the remaining days. The average attendance per day of a month of 30 days beginning with Sunday would be:

- Ans
- 1. 230
 - 2. 254
 - 3. 260
 - 4. 320

Q.23 A coat marked at ₹145 is offered at ₹ 127.6 . The rate of retail discount offered is:

- Ans**
- 1. 11%
 - 2. 12%
 - 3. 13%
 - 4. 10%

Q.24 The bar graph given below shows the sales of books (in thousands) from five branches of a publishing company during two consecutive years 2015 and 2016.



What percentage (rounded off to 2 decimal places) of the average sales of branches P1, P3 and P5 in 2016 is the average sales of branches P1, P2, P3 and P4 in 2015?

- Ans**
- 1. 76.53%
 - 2. 80.12%
 - 3. 81.21%
 - 4. 88.15%

Q.25 In a triangle PQR, RS intersects PQ at point S. The sides of the triangle QR = 36 cm, SQ = 27 cm, RS = 18 cm and $\angle QRS = \angle QPR$. What is the ratio of the perimeter of $\triangle PRS$ to that of $\triangle QSR$?

- Ans**
- 1. $\frac{5}{8}$
 - 2. $\frac{7}{9}$
 - 3. $\frac{8}{6}$
 - 4. $\frac{9}{12}$

Q.1 All historical monuments have signages with instructions that public should not write on the walls.

To which fundamental duty does the given statement belong?

- Ans
- 1. To defend the country and render national service
 - 2. To safeguard public property and to abjure violence
 - 3. To develop the scientific temper
 - 4. To promote harmony and spirit of common brotherhood

Q.2 Which non-essential amino acid is synthesised by the hydroxylation of phenylalanine in a reaction catalysed by phenylalanine hydroxylase?

- Ans
- 1. Cysteine
 - 2. Glycine
 - 3. Tyrosine
 - 4. Glutamine

Q.3 In July 2021, which state government announced the creation of an independent department to protect and preserve the 'faith, culture and traditions of tribes and indigenous communities' of the state?

- Ans
- 1. Uttar Pradesh
 - 2. Bihar
 - 3. Karnataka
 - 4. Assam

Q.4 A proton bonds to the oxygen atom of a solvent water to give a _____ hydronium ion.

- Ans
- 1. tetrahedral
 - 2. square planar
 - 3. square pyramid
 - 4. trigonal pyramidal

Q.5 _____ oblong orbit overlaps the orbit of Neptune.

- Ans
- 1. Jupiter's
 - 2. Pluto's
 - 3. Venus'
 - 4. Mars'

Q.6 'Lai-Phi' and 'Chin-Phi' are the cultural costumes of which state?

- Ans
- 1. Nagaland
 - 2. Uttarakhand
 - 3. Manipur
 - 4. Sikkim

Q.7 In MS Word, which option allows you to copy the selected text or object to the Clipboard while simultaneously removing it from its original location?

- Ans
- 1. Copy
 - 2. Paste
 - 3. Cut
 - 4. Drag-and-Drop

Q.8 What is the literacy rate of India as per the National Survey of India-2022?

- Ans 1. 77.7%
2. 78.3%
3. 72.1%
4. 74.2%

Q.9 Annamacharya composed Sankirtans in praise of which God?

- Ans 1. Lord Shiva
2. Lord Venkateshwara
3. Lord Rama
4. Lord Krishna

Q.10 Which of the following word sequences is correct as per the Preamble to the Constitution?

- Ans 1. Sovereign, socialist, secular, democratic, republic
2. Secular, democratic, secular, socialist, sovereign
3. Sovereign, secular, socialist, democratic, republic
4. Socialist, secular, democratic, republic, sovereign

Q.11 What is the impact of proportional taxes?

- Ans 1. Increases the marginal propensity to consume
2. Reduces the autonomous expenditure multiplier
3. Increases the induced expenditure multiplier
4. Increases the autonomous expenditure multiplier

Q.12 The headquarters of the Indian Institute of Tourism and Travel Management are located at:

- Ans 1. Guwahati
2. Bhuvneshwar
3. Gwalior
4. New Delhi

Q.13 In which direction is the general elevation of the peninsular plateau of India?

- Ans 1. From North to South
2. From South to North
3. From West to East
4. From East to West

Q.14 Lakshmbai National College of Physical Education is located at _____.

- Ans 1. Thiruvananthapuram, Kerala
2. Gwalior, Madhya Pradesh
3. Shahdara, Delhi
4. Patiala, Punjab

Q.15 Match the columns.

List I

- i. National Manufacturing Policy
- ii. Make in India initiative
- iii. Startup India scheme
- iv. Smart City Project

List II

- a. 2014
- b. 2016
- c. 2011
- d. 2015

- Ans
- 1. i-d, ii-c, iii-a, iv-b
 - 2. i-c, ii-d, iii-b, iv-a
 - 3. i-b, ii-a, iii-d, iv-c
 - 4. i-c, ii-a, iii-b, iv-d

Q.16 Which does social networking service place the biggest emphasis on professional networking?

- Ans
- 1. Google+
 - 2. Facebook
 - 3. Twitter
 - 4. LinkedIn

Q.17 Where is the largest football stadium in India located?

- Ans
- 1. New Delhi
 - 2. Kolkata
 - 3. Goa
 - 4. Bengaluru

Q.18 Who invaded India during the rule of Tughlaq Dynasty?

- Ans
- 1. Timur
 - 2. Chengiz Khan
 - 3. Muhammad Ghori
 - 4. Mahmud of Ghazni

Q.19 Who among the following is a Choreographer in Indian film Industry?

- Ans
- 1. Arijit Singh
 - 2. Prabhu Deva
 - 3. Pritam
 - 4. Anu Malik

Q.20 What are the standard measurements of a cricket pitch?

- Ans
- 1. 20 yards by 10 ft
 - 2. 22 yards by 12 ft
 - 3. 20 yards by 12 ft
 - 4. 22 yards by 10 ft

Q.21 Gurpurab is celebrated to commemorate the birthday of Guru Nank dev ji. He was the _____ guru of Sikhs?

- Ans 1. second
 2. first
 3. fourth
 4. third

Q.22 In April 2022, Chief Justice of India NV Ramana recommended the creation of an "independent umbrella institution", so as to bring various agencies under one roof". Which of the following agencies did he suggest be brought under this umbrella?

- Ans 1. SFIO and CBI
 2. ED and NIA
 3. ED, CBI and SFIO
 4. CBI, SFIO and NIA

Q.23 In which of the following years was the National Anthem adopted in its Hindi version by the Constituent Assembly?

- Ans 1. 1947
 2. 1950
 3. 1954
 4. 1942

Q.24 Which important event that started in 1930 played a significant role in motivating and mobilizing Indians to join the non-violent movement for independence?

- Ans 1. Salt Satyagraha
 2. Quit India Movement
 3. Gadar Movement
 4. Swadeshi movement

Q.25 _____ was posthumously conferred the second-highest civilian award in India, the Padma Vibhushan in the field of public affairs in 2023.

- Ans 1. GMC Balayogi
 2. Mulayam Singh Yadav
 3. Balkrishna Doshi
 4. Dilip Mahalanabis

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Tehra
Exam Date	10/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Mathematics help/ in developing/ the logical mindset /of students.

- Ans** 1. Mathematics help
 2. of students
 3. in developing
 4. the logical mindset

Q.2 Parts of the following sentence have been given as options. Select the option that contains an error.

The chief guest gave out prizes to the meritorious students of the school.

- Ans** 1. gave out prizes
 2. of the school.
 3. The chief guest
 4. to the meritorious students

Q.3 Select the option with the correct use of article(s).

- Ans** 1. William Wordsworth was a romantic poet. He did things in an unusual manner.
 2. William Wordsworth was a romantic poet. He did things in a unusual manner.
 3. William Wordsworth was the romantic poet. He did things in a unusual manner.
 4. William Wordsworth was romantic poet. He did things in an unusual manner.

Q.4 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

The manager noticed / that Pragya / was first to reach / the office on Saturday.

- Ans** 1. that Pragya
 2. was first to reach
 3. The manager noticed
 4. the office on Saturday.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Water is 1. _____ for life and for good health. Not only is it necessary for us to be able to meet our daily needs but safe drinking water can 2. _____ many water-related diseases. India has one of the largest number of cases of 3. _____ such as diarrhoea, dysentery, and cholera. Over 1,600 Indians, most of them children below the age of five, 4. _____ die every day because of water-related diseases. These deaths can be prevented if people have 5. _____ to safe drinking water.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank 1.

- Ans 1. insistent
 2. intrinsic
 3. essential
 4. primary

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Water is 1. _____ for life and for good health. Not only is it necessary for us to be able to meet our daily needs but safe drinking water can 2. _____ many water-related diseases. India has one of the largest number of cases of 3. _____ such as diarrhoea, dysentery, and cholera. Over 1,600 Indians, most of them children below the age of five, 4. _____ die every day because of water-related diseases. These deaths can be prevented if people have 5. _____ to safe drinking water.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank 2.

- Ans 1. prevent
 2. forbid
 3. hamper
 4. restrain

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Water is 1. _____ for life and for good health. Not only is it necessary for us to be able to meet our daily needs but safe drinking water can 2. _____ many water-related diseases. India has one of the largest number of cases of 3. _____ such as diarrhoea, dysentery, and cholera. Over 1,600 Indians, most of them children below the age of five, 4. _____ die every day because of water-related diseases. These deaths can be prevented if people have 5. _____ to safe drinking water.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank 3.

- Ans 1. diseases
 2. distress
 3. laments
 4. sufferings

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Water is 1. _____ for life and for good health. Not only is it necessary for us to be able to meet our daily needs but safe drinking water can 2. _____ many water-related diseases. India has one of the largest number of cases of 3. _____ such as diarrhoea, dysentery, and cholera. Over 1,600 Indians, most of them children below the age of five, 4. _____ die every day because of water-related diseases. These deaths can be prevented if people have 5. _____ to safe drinking water.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank 4.

- Ans 1. distinctly
 2. assuredly
 3. reportedly
 4. ostensibly

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Water is 1. _____ for life and for good health. Not only is it necessary for us to be able to meet our daily needs but safe drinking water can 2. _____ many water-related diseases. India has one of the largest number of cases of 3. _____ such as diarrhoea, dysentery, and cholera. Over 1,600 Indians, most of them children below the age of five, 4. _____ die every day because of water-related diseases. These deaths can be prevented if people have 5. _____ to safe drinking water.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank 5.

- Ans 1. accession
 2. entrance
 3. providence
 4. access

Q.10 Select the most appropriate meaning of the given idiom.
Going through a sticky patch

- Ans 1. To experience a bad period in life
 2. To walk on a muddy road
 3. To feel sad
 4. Try to paste something unsuccessfully

Q.11 Select the most appropriate option that can substitute the underlined segment in the following sentence.

This serum contains ingredients enabling the hair to grow.

- Ans 1. for growth hair
 2. the enable grow hair
 3. for growing many hair
 4. that enable the hair to grow

Q.12 Select the most appropriate ANTONYM of the given word.
Massive

- Ans 1. Tall
 2. Heavy
 3. Tiny
 4. Formidable

Q.13 Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.

You can't stop the _____ (outflow) of current.

- Ans
- 1. torrent
 - 2. influx
 - 3. income
 - 4. deluge

Q.14 Select the most appropriate ANTONYM of the given word.

Impulsive

- Ans
- 1. Passive
 - 2. Hasty
 - 3. Aggressive
 - 4. Cautious

Q.15 Select the most appropriate option that can substitute the underlined word in the given sentence.

She argued against the unnecessary split in the committee.

- Ans
- 1. combination
 - 2. mix
 - 3. division
 - 4. blend

Q.16 Select the most appropriate option that can substitute the underlined segment in the following sentence.

Had you been to Dubai, I would also go with you.

- Ans
- 1. I shall be gone
 - 2. I will have went
 - 3. I would have gone
 - 4. I would has also gone

Q.17 Select the most appropriate synonym of the given word.

Evasive

- Ans
- 1. Cohesive
 - 2. Ambiguous
 - 3. Abrasive
 - 4. Accessible

Q.18 Select the most appropriate ANTONYM of the word 'Commence' from the given sentence.

Let's put an end to this discussion about voodoo and instead talk about something amusing.

- Ans
- 1. discussion
 - 2. amusing
 - 3. end
 - 4. voodoo

Q.19 Identify the incorrectly spelt word and select its correct spelling.
There are a number of artists currently creating unique, collectible teapots.

- Ans 1. collectable
 2. currintly
 3. collectibile
 4. currantly

Q.20 Select the most appropriate option to fill in the blank.

Tom is trying to _____ as soon as possible.

- Ans 1. get a job
 2. learn a job
 3. receive a job
 4. experience a job

Q.21 Select the word segment from the options that can substitute the bracketed word segment meaningfully.

Telangana artists (are know for the amazing bronze castings).

- Ans 1. Have been knew to the amazing bronze castings
 2. Are known for their amazing bronze castings
 3. Is known to the amazing bronze castings
 4. Have to know the amazing bronze castings

Q.22 Select the most appropriate ANTONYM of the underlined word in the given sentence.
His feeble opponent was no match to him and ultimately he won the challenge.

- Ans 1. Major
 2. Strong
 3. Mystic
 4. Intelligent

Q.23 Select the INCORRECTLY spelt word.

- Ans 1. Warranty
 2. Committee
 3. Dilemma
 4. Neice

Q.24 Select the most appropriate meaning of the given idiom.
Costing an arm and a leg

- Ans 1. Very entertaining and jovial
 2. Very costly and luxurious
 3. Very attractive and cheap
 4. Very rough and tough

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

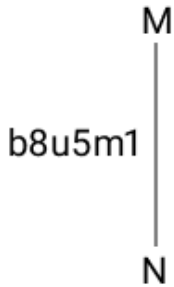
It has been found that the trees are being destroyed by a moth.

- Ans 1. is being destroyed
 2. have been destroying
 3. No substitution required
 4. have destroyed

Q.1 In a certain code language, 'RIVER' is coded as 'SJWFS' and 'SYSTEM' is coded as 'TZTUFN'. How is 'PACK' coded in that language?

- Ans 1. QBDL
 2. RBDL
 3. RCEK
 4. QCEL

Q.2 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans 1. 1m2u8d
 2. b8u5m1
 3. 1m2u8d
 4. p8u2m1

Q.3 Which two numbers should be interchanged to make the given equation correct?

$$35 + (25 \times 3 - 45) \div 2 + (15 \times 4) = 125$$

(NOTE: Numbers must be interchanged and not the constituent digits e.g. if 2 and 3 are to be interchanged in the equation $43 \times 3 + 4 \div 2$, then interchanged equation is $43 \times 2 + 4 \div 3$)

- Ans 1. 15 and 25
 2. 35 and 45
 3. 25 and 35
 4. 2 and 15

Q.4 Which figure should replace the question mark (?) if the following figure series were to be continued?

O	□	S	O	↑	S	O	↑	
S		↑		O		N		
↑		2		N		P		
N	2	P	N	2	P	☆	2	?

Ans

1.

	↑	☆
	O	
	N	
2	P	

2.

	N	☆
	P	
	2	
↑	O	

3.

	N	O
	↑	
	2	
P	☆	

4.

	↑	N
	O	
	2	
P	☆	

Q.5 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

- 1) FGNOP
- 2) IJQRS
- 3) OPWXY
- 4) RSXYZ

Ans 1. RSXYZ

2. IJQRS

3. OPWXY

4. FGNOP

Q.6 If 17 December 2012 was Monday, then what was the day of the week on 18 November 2020?

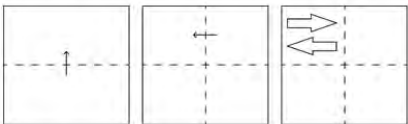
Ans 1. Tuesday

2. Wednesday

3. Thursday

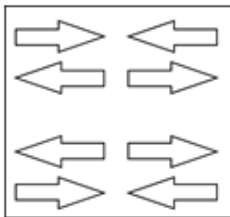
4. Sunday

Q.7 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

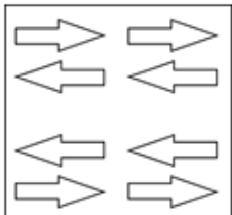


Ans

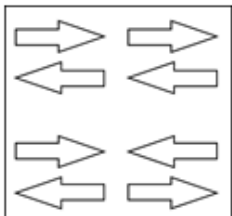
✓ 1.



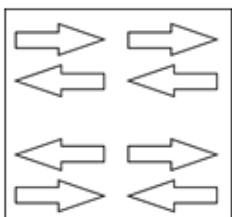
✗ 2.



✗ 3.



✗ 4.



Q.8 102 is related to 34 following a certain logic. Following the same logic, 171 is related to 57. To which of the following is 237 related following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans ✗ 1. 73

✗ 2. 77

✓ 3. 79

✗ 4. 71

Q.9 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some leaves are trees.

All stones are grain.

Some grains are leaves.

Conclusion (I): All grains are trees.

Conclusion (II): Some leaves are stones.

- Ans**
- 1. Both conclusions (I) and (II) follow.
 - 2. Only conclusion (I) follows.
 - 3. Only conclusion (II) follows.
 - 4. Neither conclusion (I) nor (II) follows.

Q.10 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$92 \times 2 - 13 + 2 \div 6 = ?$$

- Ans**
- 1. 46
 - 2. 48
 - 3. 47
 - 4. 49

Q.11 Select the term from among the given options that can replace the question mark (?) in the following series based on the English alphabetical order.

XYZ, YAC, ?, AEI, BGL, CIO

- Ans**
- 1. ZCF
 - 2. MOP
 - 3. ZAB
 - 4. YZL

Q.12 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(32, 35, 201)

(26, 29, 165)

- Ans**
- 1. (34, 37, 203)
 - 2. (39, 42, 256)
 - 3. (23, 26, 147)
 - 4. (28, 31, 197)

Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$24 \div 10 + 68 \times 2 - 16 = ?$$

- Ans**
- 1. 222
 - 2. 242
 - 3. 252
 - 4. 232

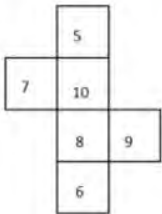
Q.14 If 27 September 2001 was a Thursday, then what was the day of the week on 22 October 2009?

- Ans
- 1. Sunday
 - 2. Friday
 - 3. Wednesday
 - 4. Thursday

Q.15 What should come in place of the question mark (?) in the given series based on the English alphabetical order?
DGB, GKG, JOL, MSQ, ?

- Ans
- 1. PWV
 - 2. QWU
 - 3. PVT
 - 4. RXV

Q.16 What would be the number on the opposite side of '7' if the given sheet is folded to form a cube?



- Ans
- 1. 6
 - 2. 8
 - 3. 5
 - 4. 9

KD JOB UPDATES

Q.17 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

Ans

- 1.
- 2.
- 3.
- 4.

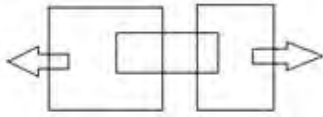
Q.18 In a certain code language,
 'M & N' means 'M is the wife of N',
 'M @ N' means 'M is the son of N',
 'M \$ N' means 'M is the mother of N'.
 Based on the above, how is R related to O if 'N \$ O @ P @ Q & R'?

- Ans
- 1. Father's brother
 - 2. Mother's brother
 - 3. Mother's father
 - 4. Father's father

Q.19 QTWA is related to ZCFJ in a certain way based on the English alphabetical order. In the same way, MKBZ is related to VTKL. To which of the following is EYCM related, following the same logic?

- Ans
- 1. NVHL
 - 2. NLVH
 - 3. NHLV
 - 4. NLHV

Q.20 How many rectangles are there in the following figure?



- Ans
- 1. 7
 - 2. 10
 - 3. 11
 - 4. 8

Q.21 What should come in place of ? in the given series?

33 32 35 34 37 ?

- Ans
- 1. 40
 - 2. 38
 - 3. 37
 - 4. 36

Q.22 In a certain code language, 'try something new' is coded as 'db kl jk' and 'something hurt him' is coded as 'db pt uk'. How is 'something' coded in that language?

- Ans
- 1. jk
 - 2. db
 - 3. uk
 - 4. kl

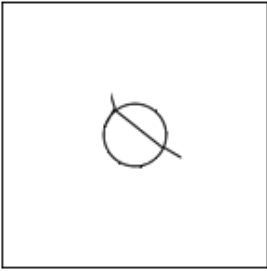
Q.23 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Lend : Borrow

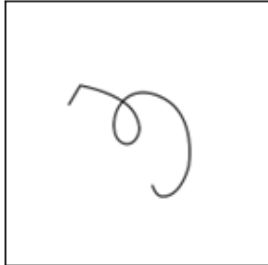
- Ans
- 1. Neat : Tidy
 - 2. Silent : Quiet
 - 3. Cruel : Kind
 - 4. Cold : Frigid

Q.24 Select the option in which the given figure is embedded (rotation is NOT allowed).

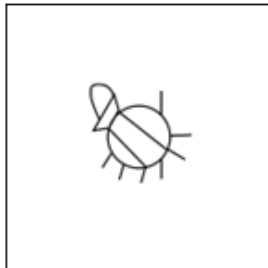


Ans

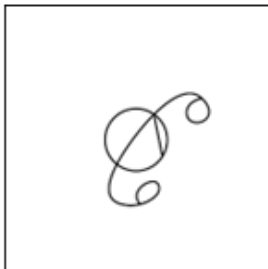
1.



2.



3.



4.



Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?

$$123 - 41 \times 14 + 2 + 7 = ?$$

Ans 1. 24

2. 20

3. 22

4. 23

Q.1 In ΔABC , if $AB = \sqrt{3}$ units, $BC = 1$ unit and $AC = 2$ units, then $\angle ACB$ is equal to:

- Ans
- 1. 30°
 - 2. 90°
 - 3. 60°
 - 4. 45°

Q.2 In an isosceles triangle, the vertex angle is four times the sum of the base angles. The measure of the square root of the vertex angle is:

- Ans
- 1. 10°
 - 2. 12°
 - 3. 18°
 - 4. 16°

Q.3 Two numbers are respectively 61% and 35% less than a third number. The first number is what percentage of the second number?

- Ans
- 1. 48%
 - 2. 24%
 - 3. 60%
 - 4. 30%

Q.4 The details of books of 6 subjects on the first floor of the college library are given in the following table.

	English	French	Computers	Circuit Theory	Maths	Graph Theory
No. of books	7532	308	14,308	9948	17,462	642

The ratio of Maths and Computers to Circuit Theory and Graph Theory is:

- Ans
- 1. 3 : 1
 - 2. 2 : 3
 - 3. 1 : 3
 - 4. 2 : 1

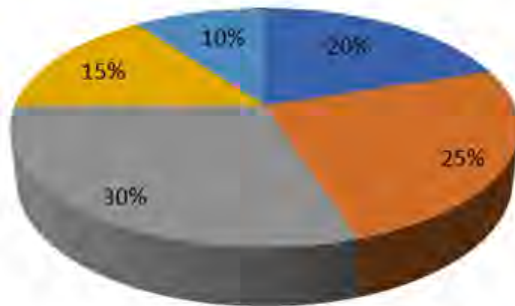
Q.5 A bucket contains a mixture of milk and water in the proportion of 7: 5. If 9 litres of milk is replaced by water, then the ratio becomes 7:9. How much milk was there in the bucket initially?

- Ans
- 1. 36 litres
 - 2. 30 litres
 - 3. 25 litres
 - 4. 35 litres

Q.6 The given pie-diagram shows the expenditure incurred on the preparation of a book by a publisher, under various heads. Study the pie-diagram and answer the question that follows.

Various Expenditures (in percentage) incurred in Publishing a Book

■ A-Paper ■ B-Printing ■ C-Binding ■ D-Royalty ■ E-Miscellaneous



Which two expenditures together will form an angle of 108° at the centre of the pie-diagram?

- Ans**
- 1. A and E
 - 2. B and E
 - 3. A and D
 - 4. D and E

Q.7 For what value of k ($k > 0$) will the lines $5x + ky - 2 = 0$ and $(k + 1)x + 4y + 7 = 0$ be parallel?

- Ans**
- 1. 2
 - 2. 5
 - 3. 3
 - 4. 4

Q.8 P completes a work in 12 days and Q in 24 days. In how many days P and Q working together can complete the same work?

- Ans**
- 1. 16 days
 - 2. 12 days
 - 3. 6 days
 - 4. 8 days

Q.9 If ' \div ' means ' \times ', ' \times ' means ' \div ', ' $+$ ' means ' $-$ ', ' $-$ ' means ' $+$ ', then $47 \div (10 \times 5) + (4 - 5) - 6$ is:

- Ans**
- 1. 100
 - 2. 59
 - 3. 79
 - 4. 91

Q.10 Two chords AB and CD of a circle are produced to intersect each other at a point P outside the circle. If AB = 7 cm, BP = 4.2 cm and PD = 2.8 cm, then the length of CD is:

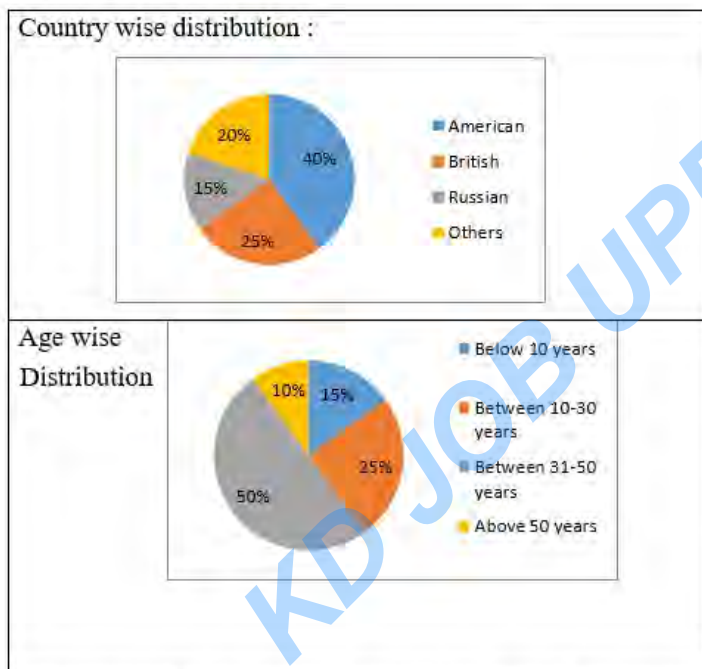
- Ans
- 1. 16 cm
 - 2. 18 cm
 - 3. 14 cm
 - 4. 11 cm

Q.11 A number is divisible by 11 if and only if the difference of the sum of the digits in the even and odd positions in the number is:

- Ans
- 1. 0 or multiple of 11
 - 2. 11
 - 3. 0
 - 4. 1

Q.12 Study the given pie-charts and answer the question that follows.

The pie-charts show the characteristics of foreign tourists visiting India during a given year.



If in a given year, 2,50,000 tourists visited India and the age wise distribution of data applies to all the countries, then what is the ratio of American tourists below 10 years to the other tourists above 50 years?

- Ans
- 1. 1 : 5
 - 2. 1 : 3
 - 3. 3 : 1
 - 4. 5 : 1

Q.13 $\triangle ABC$ and $\triangle PQR$ are similar. The areas of these two triangles are 289 sq.cm and 576 sq.cm, respectively. If PR = 12 cm, then AC = ?

- Ans
- 1. 7.25 cm
 - 2. 8.5 cm
 - 3. 12 cm
 - 4. 6 cm

Q.14 Ramu invested some money at 8% simple interest per annum, and it was grown up to ₹820 in 8 years. If the same sum was invested at 20% simple interest per annum for a period of 10 years, find the amount.

- Ans**
- 1. ₹1,200
 - 2. ₹1,320
 - 3. ₹1,000
 - 4. ₹1,500

Q.15 If the surface areas of two spheres are in the ratio of 49 : 81, then find the ratio of their volumes.

- Ans**
- 1. 216 : 512
 - 2. 343 : 729
 - 3. 27 : 64
 - 4. 125 : 512

Q.16 A solid metallic cube having surface area of 54 cm^2 is melted to form smaller cubes of surface area $\frac{8}{12} \text{ cm}^2$ each. Find the number of smaller cubes.

- Ans**
- 1. 512
 - 2. 343
 - 3. 216
 - 4. 729

Q.17 In an election between two candidates, 15% of the votes were invalid and one candidate got 52% of the total valid votes. If the total number of votes was 8000, what was the number of valid votes that the other candidate got?

- Ans**
- 1. 3264
 - 2. 6800
 - 3. 3840
 - 4. 3536

Q.18 The following table gives the percentage of marks obtained by six students in five different subjects in an examination.

The numbers in the brackets give the maximum marks in each subject.

Student's Name	Subjects (Maximum marks)				
	Maths(150)	English(130)	Hindi(120)	Physics(100)	Chemistry(60)
Aanya	90	100	90	90	80
Aarav	100	80	90	70	70
Lavi	90	90	80	60	50
Monika	80	70	100	50	100
Devvansh	50	60	100	100	90
Tanmay	60	80	70	70	80

What are the average marks obtained by all the six students in Hindi?

- Ans 1. 127
 2. 106
 3. 610
 4. 172

Q.19 If the surface area of the sphere is 616 cm^2 , then the radius of the sphere is equal to:

- Ans 1. 14.0cm
 2. 3.5cm
 3. 18.0cm
 4. 7.0cm

Q.20 A man walking at the speed of 4 km/h covers a certain distance in 6 hours and 15 minutes. If he covers the same distance by cycle in 5 hours and 10 minutes, then the speed of the cycle in km/h is:

- Ans 1. $4 \frac{26}{31}$
 2. $3 \frac{11}{31}$
 3. $2 \frac{9}{31}$
 4. $3 \frac{21}{31}$

Q.21 When 2^{256} is divided by 17, the remainder would be:

- Ans 1. 2
 2. 0
 3. 1
 4. 5

Q.22 Evaluate $(9\sin \theta + 2 \cos \theta) / (9\sin \theta - 2\cos \theta)$, if $3 \tan \theta = 4$.

- Ans
- 1. $\frac{9}{7}$
 - 2. $\frac{5}{7}$
 - 3. $\frac{6}{5}$
 - 4. $\frac{7}{5}$

Q.23 A costs thrice as much as B. A is sold at a loss of 10%, and B is sold at $\frac{5}{4}$ of its own price. If the selling price of A is ₹5,800 more than the selling price of B, then the cost price of A is:

- Ans
- 1. ₹12,000
 - 2. ₹9,600
 - 3. ₹15,000
 - 4. ₹4,000

Q.24 If the average weight of 40 apples is 33 kg and that of 32 apples is 60 kg, then the average weight (in kg) of all the apples is:

- Ans
- 1. 46.5
 - 2. 45.2
 - 3. 44
 - 4. 45

Q.25 In an election between two candidates, Ananth and Aravind, Ananth got 55% of the total valid votes, and 20% of the votes were invalid. If the total number of votes was 30,000, find the number of valid votes that Aravind got.

- Ans
- 1. 13200
 - 2. 24000
 - 3. 1080
 - 4. 10800

Q.1 Where is the Kailasa temple built by Rashtrakutas located?

- Ans
- 1. Amravati
 - 2. Hampi
 - 3. Ellora
 - 4. Kanchi

Q.2 The Salal Project, also called the Salal Hydroelectric Power Station, is on which river?

- Ans
- 1. Chenab
 - 2. Krishna
 - 3. Ganga
 - 4. Ravi

Q.3 Where was the 36th National Games of India held in the year 2022?

- Ans
- 1. Goa
 - 2. Kerala
 - 3. Gujarat
 - 4. Delhi

Q.4 In which of the following sports/games is the attacking player known as a 'raider'?

- Ans
- 1. Hockey
 - 2. Kabaddi
 - 3. Tennis
 - 4. Badminton

Q.5 Folk music sung on the birth of a child in some Indian states like Bihar, Uttar Pradesh, etc. is called _____.

- Ans
- 1. kohbar
 - 2. banna
 - 3. sohar
 - 4. gari

Q.6 Kalbelia dance, also known as the 'Sapera Dance', is the folk dance of _____.

- Ans
- 1. Rajasthan
 - 2. Gujarat
 - 3. Uttar Pradesh
 - 4. Madhya Pradesh

Q.7 The country's infrastructure vision for FY-2025 and the first exercise to be conducted in India is named as _____.

- Ans
- 1. National Infrastructure Pipeline
 - 2. National Infrastructure Plan
 - 3. National Infrastructure Planning
 - 4. National Infrastructure Projects

Q.8 What is the literacy rate of males in India as per the report published in the National Survey of India-2022?

- Ans
- 1. 81.2%
 - 2. 83.4%
 - 3. 86.3%
 - 4. 84.7%

Q.9 Which is the only surviving specimen of the ancient Sanskrit theatre recognised by UNESCO as a Masterpiece of the Oral and Intangible Heritage of Humanity?

- Ans
- 1. Bhavai
 - 2. Kutiyattam
 - 3. Kathakali
 - 4. Yakshagana

Q.10 Which of the following is NOT mentioned in fundamental duties provided under Indian Constitution?

- Ans
- 1. To safeguard public property
 - 2. To develop scientific temper
 - 3. To join Defence forces
 - 4. To respect the national flag

Q.11 In which of the following plants do roots arise from parts of a plant other than the radicle?

- Ans
- 1. Maize
 - 2. Mustard plant
 - 3. Monstera
 - 4. Turnip

Q.12 In 1835, who developed the process of applying a thin layer of metallic silver to one side of a clear glass pane and created the first mirror?

- Ans
- 1. CV Raman
 - 2. CH Townes
 - 3. Victor Francis Hess
 - 4. Justus von Liebig

Q.13 International Kite Festival is a popular cultural festival of which state?

- Ans
- 1. Goa
 - 2. Manipur
 - 3. Gujarat
 - 4. Chhattisgarh

Q.14 Which of the following statements is correct?

- Ans
- 1. The size of Jupiter and Mars is similar.
 - 2. The size of Earth and Venus is almost similar.
 - 3. The density of Saturn is similar to that of Earth.
 - 4. Mars is the warmest planet.

Q.15 Which of the following books was unveiled by the Union Minister Giriraj Singh in year 2022?

- Ans
- 1. Pandemic disruptions and Odisha's lessons in governance
 - 2. Heartfelt: The legacy of faith
 - 3. Modi @20: Dreams meet delivery
 - 4. Agenda for Members of Panchayati Raj Institutions for Rural Development

Q.16 Suppose a mine worker asks his son, aged 9 years, to help him in his work instead of going to school. Which Article of the Constitution of India will be violated in this case?

- Ans
- 1. Article 18
 - 2. Article 29
 - 3. Article 20
 - 4. Article 24

Q.17 Which of the following statements accurately describes application software?

- Ans** 1. Application software is designed to perform specific tasks or functions to meet the user's needs.
2. Application software is used only by software developers and does not impact regular users.
3. Application software refers to the operating system that provides a user-friendly interface to interact with the computer.
4. Application software is responsible for managing and controlling computer hardware components.

Q.18 In March 2023, the Government of India announced the set up of how many PM MITRA (Pradhan Mantri Mega Integrated Textile Region and Apparel) parks for the textile industry?

- Ans** 1. 2
2. 5
3. 7
4. 9

Q.19 On 12 February 2023, the President of India appointed the Governor of states. Which of the following is NOT correctly matched?

- Ans** 1. Shiv Pratap Shukla – Himachal Pradesh
2. Phagu Chauhan – Meghalaya
3. Ramesh Baish – Maharashtra
4. S Abdul Nazeer – Bihar

Q.20 What is Miyan ki Todi in Hindustani music?

- Ans** 1. Kirtan
2. Tanam
3. Chhand
4. Raag

Q.21 'The Life Divine', 'The Synthesis of Yoga' and 'Savitri' are the popular works of which of the following extremist freedom fighters of India?

- Ans** 1. Lala Lajpat Rai
2. Bipin Chandra Pal
3. Aurobindo Ghosh
4. Bal Gangadhar Tilak

Q.22 In MS Word, which option allows you to quickly remove all formatting from selected text while retaining the underlying text content?

- Ans** 1. Clear Formatting
2. Paste Special
3. Format Painter
4. Cut

Q.23 The 10th Five-Year Plan aimed at reducing poverty by:

- Ans** 1. 8%
2. 9%
3. 2%
4. 5%

Q.24 The velocity of circulation of money will be higher when the _____ is less than the requirements of the economy.

- Ans**
- 1. demand for money
 - 2. supply of money
 - 3. velocity of money
 - 4. elasticity of money

Q.25 When is National Javelin Day celebrated in India?

- Ans**
- 1. 12th January
 - 2. 7th August
 - 3. 6th August
 - 4. 29th August

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	R K Digital Computer Centre 2
Exam Date	11/07/2024
Exam Time	9:00 AM - 10:00 AM
Subject	CHSL Exam 2024 Tier I

Q.1 Parts of the following sentence have been given as options. Select the option that contains an error.

She was fond of walking along the path besides the lake.

- Ans
- 1. along the path
 - 2. besides the lake
 - 3. She was
 - 4. fond of walking

Q.2 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error mark 'No error' as your answer.
Father took the newspaper / in his hand to / go through it once again.

- Ans
- 1. No error
 - 2. in his hand to
 - 3. go through it once again
 - 4. Father took the newspaper

Q.3 Parts of the following sentence have been underlined and given as options. Select the option that contains an error.
Policeman came to my village and asked about a person who burgled a house last night.

- Ans
- 1. policeman
 - 2. a house
 - 3. my village
 - 4. a person

Q.4 Select the option that will improve the given sentence by using the most appropriate verb.
Soorya walking to college every day.

- Ans
- 1. Soorya walk to college every day.
 - 2. Soorya walked to college every day.
 - 3. Soorya have walked to college every day.
 - 4. Soorya is walking to college every day.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank no. 1.

- Ans 1. controls
 2. opens
 3. leads
 4. closes

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank no. 2.

- Ans 1. day
 2. year
 3. month
 4. season

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank no. 3.

- Ans 1. wide
 2. daunted
 3. limited
 4. small

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank no. 4.

- Ans 1. moderate
 2. better
 3. higher
 4. lower

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

What is literacy? It is the golden key that (1)_____ the gates to a whole new world. It heralds the dawn of a new (2)_____. But the media hype seems to give the impression that literacy simply means the ability to sign one's name, instead of putting thumb impression. Isn't that a very (3)_____, simplistic interpretation of the word?

Taking up this narrow meaning of the word, politicians proclaim that their states have achieved 80 or 90 per cent literacy or even (4)_____. But quite often, what happens is, once the training course is over, to produce (5)_____, the neo-literates soon lapse into illiteracy.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank no. 5.

- Ans 1. beginners
 2. literates
 3. pupils
 4. education

Q.10 Select the most appropriate ANTONYM of the underlined word in the given sentence.

He is not friendly with him in the office.

- Ans 1. Gregarious
 2. Revel
 3. Intelligent
 4. Hostile

Q.11 Identify the most appropriate ANTONYM of the given word.

He worked alone as he did not want anyone to hamper his project.

- Ans 1. Help
 2. Impede
 3. Care
 4. Finish

Q.12 Select the most appropriate synonym of the given word.

Indigenous

- Ans 1. Aboriginal
 2. Artificial
 3. Tangible
 4. Literary

Q.13 Select the most appropriate collocation to fill in the blank.

Ujjwal was imprisoned for _____ a crime.

- Ans 1. committing
 2. making
 3. undertaking
 4. involving

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I cannot use my office at the moment because it being painted.

- Ans 1. it has being painted
 2. it is being painted
 3. No substitution required
 4. it had been paint

Q.15 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

When Serena / will arrive, / she will / call you.

- Ans 1. will arrive
 2. When Serena
 3. call you
 4. she will

Q.16 Select the most appropriate meaning of the given idiom.

A sting in the tail

- Ans 1. A situation in which a large group has to do something to satisfy a small group
 2. Something which seems bad at first but contains a pleasant part at the end
 3. To initiate a situation that is very complicated or problematic
 4. An unexpected, typically unpleasant or problematic end to something

Q.17 Select the most appropriate synonym of the given word.

Magnificent

- Ans 1. Regular
 2. Humble
 3. Modest
 4. Splendid

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

No sooner did we reach at the party that it began to rain.

- Ans
- 1. before it began to rain
 - 2. as it began to rain
 - 3. it began to rain
 - 4. than it began to rain

Q.19 Select the most appropriate synonym of 'amazement' to fill the blank.

Leena was filled with _____ when she saw the diamond ring as her wedding gift.

- Ans
- 1. astonishment
 - 2. measurement
 - 3. happiness
 - 4. haughtiness

Q.20 Identify the INCORRECTLY spelt word in the following sentence.

To avoid indigeton, it is necessary to chew food properly.

- Ans
- 1. chew
 - 2. necessary
 - 3. indigeton
 - 4. properly

Q.21 Select the most appropriate pair of words to fill in the blanks.

Yesterday, he _____ pizza and _____ burgers in one go.

- Ans
- 1. ate; eight
 - 2. eight; ate
 - 3. eight; eight
 - 4. ate; ate

Q.22 Select the most appropriate meaning of the given idiom.

Gift of the gab

- Ans
- 1. Humorous
 - 2. Talent for speaking
 - 3. Witty
 - 4. Talent for singing

Q.23 Select the most appropriate option that can substitute the underlined words in the following sentence.

The interdisciplinary approach utilised in this study facilitates comprehensive understanding of the complex phenomenon under investigation.

- Ans
- 1. is facilitates a comprehensive understanding
 - 2. will have facilitated a comprehensive understanding
 - 3. utilises a comprehensive understanding
 - 4. facilitated a comprehensive understanding

Q.24 Select the most appropriate spelling of the underlined word in the given sentence.
He lost all senisation in his legs through a cramp.

- Ans
- 1. syansation
 - 2. sansation
 - 3. sensation
 - 4. sention

Q.25 Select the most appropriate ANTONYM of the given word.
Abandon

- Ans
- 1. Adopt
 - 2. Surrender
 - 3. Destroy
 - 4. Randomize

Q.1 If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 100?

- Ans
- 1. 15 B 9 D 810 A 9 C 55
 - 2. 15 C 9 D 810 A 9 B 55
 - 3. 15 A 9 D 810 B 9 C 55
 - 4. 15 D 9 B 810 A 9 C 55

Q.2 Select the correct option that when filled in the blanks in the same sequence will make the series logically complete.
QUAI_Q_YIL_U_ILQUU_L

- Ans
- 1. LUQWI
 - 2. LIQAU
 - 3. LXIUQ
 - 4. LWQUI

Q.3 In a certain code language, 'DZLV' is coded as 'HDJT' and 'CQYH' is coded as 'GUWF'. What is the code for 'MTBE' in the given code language?

- Ans
- 1. QXZC
 - 2. YZXB
 - 3. QZYB
 - 4. YAYB

Q.4 If 24 July 1999 was Saturday, then what was the day of the week on 28 July 2003?

- Ans
- 1. Tuesday
 - 2. Monday
 - 3. Saturday
 - 4. Sunday

Q.5 In a certain language,
 A & B means A is the wife of B,
 A ÷ B means A is the daughter of B,
 A × B means A is the son of B,
 A + B means A is the sister of B and
 A @ B means A is the father of B.
 P & Q @ L + T & U @ V
 Based on the above, how is Q related to V?

- Ans
- 1. Mother's father
 - 2. Sister
 - 3. Mother
 - 4. Father's mother

Q.6 JHDC is related to KGEB in a certain way based on the English alphabetical order. In the same way, QOKJ is related to RNLI. To which of the following is USON related, following the same logic?

- Ans
- 1. VRQM
 - 2. VRPM
 - 3. VSQM
 - 4. VSPM

Q.7 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

All ladders are chairs.

All chairs are tables.

No table is a stair.

Conclusions:

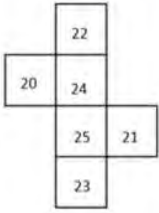
I. Some tables are ladders.

II. No chair is a stair.

III. Some ladders are stairs.

- Ans
- 1. Only conclusion III follows.
 - 2. Only conclusion I follows.
 - 3. Both conclusions I and II follow.
 - 4. Only conclusion II follows.

Q.8 What would be the number on the opposite side of '23' if the given sheet is folded to form a cube?



- Ans
- 1. 22
 - 2. 20
 - 3. 21
 - 4. 24

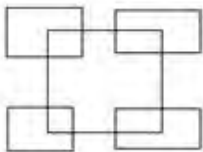
Q.9 In a certain code language, 'BORN' is coded as '8234' and 'NORM' is coded as '6328'. How is 'M' coded in the given language?

- Ans
- 1. 6
 - 2. 2
 - 3. 4
 - 4. 8

Q.10 What should come in place of the question mark (?) in the given series?
33, 61, 117, 229, ?

- Ans
- 1. 354
 - 2. 543
 - 3. 435
 - 4. 453

Q.11 How many rectangles are there in the following figure?

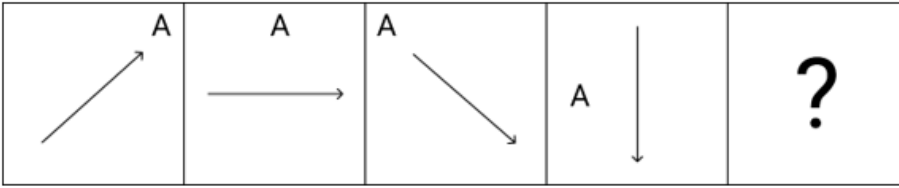


- Ans
- 1. 10
 - 2. 5
 - 3. 7
 - 4. 9

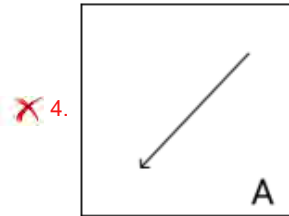
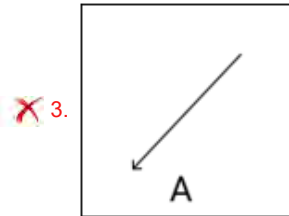
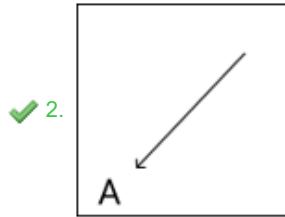
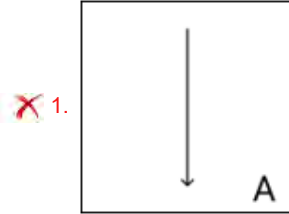
Q.12 14 is related to 43 by certain logic. Following the same logic, 17 is related to 52. To which of the following is 19 related, following the same logic?(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 57
 - 2. 38
 - 3. 50
 - 4. 58

Q.13 Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series?



Ans



KD JOB UPDATES

Q.14 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).

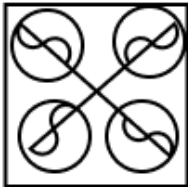


Ans

1.



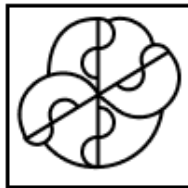
2.



3.



4.



Q.15 Which of the following numbers will replace the question mark (?) in the given series?

214 111 179 126 144 141 109 156 ?

Ans 1. 61

2. 96

3. 89

4. 74

Q.16 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$204 \times 6 - 6 \div 4 + 7 = ?$$

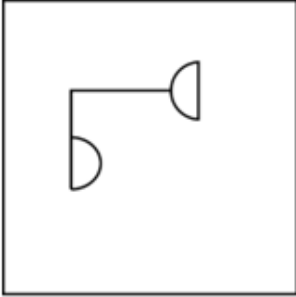
Ans 1. 41

2. 51

3. 31

4. 21

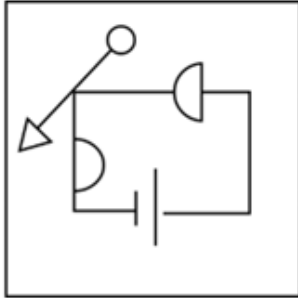
Q.17 Select the option in which the given figure X is embedded (rotation is NOT allowed).



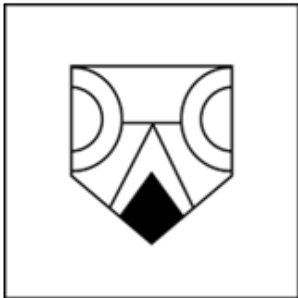
(X)

Ans

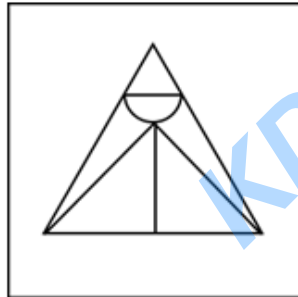
✓ 1.



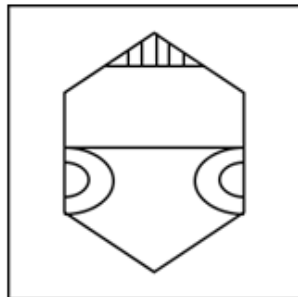
✗ 2.



✗ 3.



✗ 4.



KD JOB UPDATES

Q.18 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 4, 16)

(27, 9, 36)

Ans 1. (39, 13, 52)

2. (37, 13, 52)

3. (39, 13, 54)

4. (39, 15, 52)

Q.19 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

Leaf : Oak

Ans 1. Needle : Pine

2. Tree : Forest

3. Berry : Fruit

4. Bulb : Tulip

Q.20 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '−', what will come in place of the question mark (?) in the following equation?

62 B 2 D 190 A 5 C 7 = ?

Ans 1. 91

2. 93

3. 92

4. 90

Q.21 What should come in place of the question mark (?) in the given series?

66, 77, 99, 132, 176, ?

Ans 1. 231

2. 232

3. 230

4. 233

Q.22 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster)

Ans 1. PKRI

2. MNOL

3. AZCX

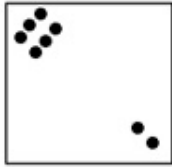
4. PLRI

Q.23 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the end. How would the paper look when unfolded?

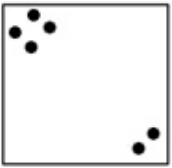


Ans

✓ 1.



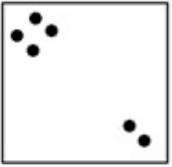
✗ 2.



✗ 3.



✗ 4.



Q.24 GJHK is related to IMKM in a certain way based on the English alphabetical order. In the same way, QTRU is related to SWUW. To which of the following is ILJM related, following the same logic?

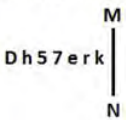
Ans ✗ 1. KPNP

✓ 2. KOMO

✗ 3. KMON

✗ 4. KNMN

Q.25 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans ✗ 1. Dh57erk

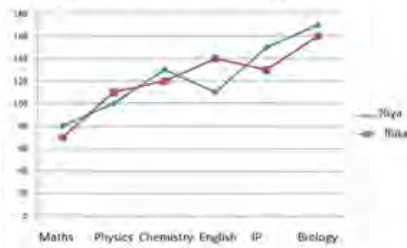
✓ 2. Dh57erk

✗ 3. Dh57erk

✗ 4. Dh57erk

Q.1 Study the given graph and answer the question that follows.

The graph shows the marks obtained by Riya and Rida in six subjects in the CBSE 12th exam. The maximum marks in Maths, Physics and Chemistry are 140, and that in English, IP and Biology are 180.



What is the difference between the percentage of marks obtained by Riya and Rida in IP?

- Ans**
- 1. 19 %
 - 2. 11.11%
 - 3. 20%
 - 4. 31 %

Q.2 The value of $\left(\frac{\sin \theta}{1 + \cos \theta} + \frac{1 + \cos \theta}{\sin \theta}\right) \left(\frac{1}{\tan \theta + \cot \theta}\right)$ is equal to:

- Ans**
- 1. $\tan \theta$
 - 2. $2 \sin \theta$
 - 3. $2 \cos \theta$
 - 4. 1

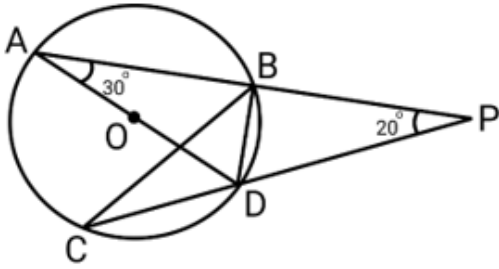
Q.3 The given table represents the percentage marks of three students in three subjects. Study the table and answer the question.

subject \ Student	Geography	History	Economics
Rohan	78	77	74
Sohan	84	80	82
Mohan	87	83	86

The average marks (to the nearest integer) obtained by the students in History and Economics (repectively) are:

- Ans**
- 1. 80 and 81
 - 2. 78 and 80
 - 3. 81 and 80
 - 4. 80 and 78

Q.4 PBA and PDC are two secants. AD is the diameter of the circle with the centre at O. $\angle A = 30^\circ$, $\angle P = 20^\circ$. Find the measure of $\angle DBC$.



- Ans
- 1. 45°
 - 2. 30°
 - 3. 50°
 - 4. 40°

Q.5 Nirmal completed the school project in 45 days. How many days will Amit take to complete the same work if he is 25% more efficient than Nirmal?

- Ans
- 1. 30
 - 2. 25
 - 3. 36
 - 4. 38

Q.6 The following table shows the loan disbursed by four banks (in Crores) over four years:

Banks	2016	2017	2018	2019
A	10	15	20	22
B	5	10	15	18
C	20	25	15	20
D	5	10	25	20

In which year total disbursement of loans of banks A and B is exactly equal to the total disbursement of loans of banks C and D?

- Ans
- 1. 2019
 - 2. 2017
 - 3. 2016
 - 4. 2018

Q.7 A laptop charger is sold for Rs.2,540 in cash or for a down payment of Rs.1,340 in cash together with Rs.1,205 to be paid after one month. Find the rate of interest charged in the instalment scheme.

- Ans
- 1. 5% p.a.
 - 2. 10% p.a.
 - 3. 15% p.a.
 - 4. 20% p.a.

Q.8 Find the surface area (in cm^2) of a cardboard box in the shape of a cuboid whose length is 60 cm, breadth is half its length and height is one-third of its breadth.

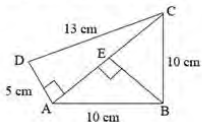
- Ans**
- 1. 2700
 - 2. 10800
 - 3. 8100
 - 4. 5400

Q.9

What is the value of $\frac{\left[\frac{1}{4} \div \frac{1}{4} \times \frac{1}{4}\right] \times \frac{1}{4}}{\left[\frac{1}{8} + \frac{1}{8} \times \frac{1}{8}\right]} + \left(1 - \frac{4}{9}\right)$?

- Ans**
- 1. 1
 - 2. 0
 - 3. 3
 - 4. 2

Q.10 What is the area of a quadrilateral ABCD, (shown below) in which sides AB and BC are equal, sides AD and CD are of lengths 5 cm and 13 cm, respectively, and side AD is perpendicular to the diagonal AC?



- Ans**
- 1. 78 cm^2
 - 2. 75 cm^2
 - 3. 82 cm^2
 - 4. 80 cm^2

Q.11 The ratio of red to green sweets in a bag is 3 : 4. How many red sweets are there in the bag if the number of green sweets is 120?

- Ans**
- 1. 80
 - 2. 100
 - 3. 70
 - 4. 90

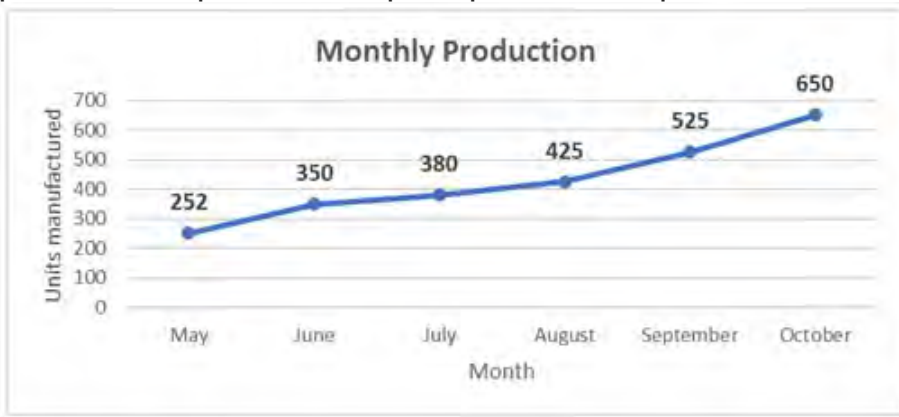
Q.12 The average age of Ruby and Soni is 40 years. The ratio of their ages is 11 : 5, respectively. What is the age (in years) of Soni?

- Ans**
- 1. 25
 - 2. 15
 - 3. 55
 - 4. 30

Q.13 By selling an article for ₹2,160, Prashant allows a 20% discount and earns 28% profit. If the article is sold without any discount, the profit will be:

- Ans**
- 1. 50%
 - 2. 55%
 - 3. 65%
 - 4. 60%

Q.14 The following line graph shows the units manufactured by a company in some months. In which month did the company report the highest growth (in %) in production as compared with the respective previous month's production?



- Ans**
- 1. July
 - 2. October
 - 3. June
 - 4. September

Q.15 The population of a village was 4,00,000. It increased by 20% in the first year and increased by 30% in the second year. Its population after two years is _____.

- Ans**
- 1. 6,25,000
 - 2. 5,40,000
 - 3. 5,20,000
 - 4. 6,24,000

Q.16 A solid metallic sphere of radius 6 cm is melted and recast into spherical balls of radius 3 cm. The number of spherical balls thus obtained is:

- Ans**
- 1. 6
 - 2. 8
 - 3. 10
 - 4. 4

Q.17 The sum of two numbers is 76. Three times the larger number is 46 more than four times the smaller one. Find the two numbers.

- Ans**
- 1. 44 and 32
 - 2. 50 and 26
 - 3. 40 and 36
 - 4. 35 and 41

Q.18 A police travelling at 65 km/h is chasing a thief who is 1200 m away from him and is travelling at 41 km/h. Find the time taken by the policeman to catch the thief.

- Ans**
- 1. 4 min
 - 2. 1 min
 - 3. 2 min
 - 4. 3 min

Q.19 A number increased by 20% gives 240. Find the number.

- Ans
- 1. 250
 - 2. 280
 - 3. 200
 - 4. 240

Q.20 By what percentage should a racer increase the speed to reduce the time by 25% to cover a fixed distance?

- Ans
- 1. 41%
 - 2. $33\frac{1}{3}\%$
 - 3. 31%
 - 4. $37\frac{1}{3}\%$

Q.21 If the number $6p5157q$ is divisible by 88, then $p \times q = \underline{\hspace{2cm}}$, where p and q are single digit numbers.

- Ans
- 1. 12
 - 2. 18
 - 3. 20
 - 4. 15

Q.22 PQR is a triangle. MN is a line segment intersecting PQ in M and PR in N such that $MN \parallel QR$ and divides ΔPQR into two parts, which are equal in area. What is the ratio of MQ to PQ?

- Ans
- 1. $\sqrt{2} : (\sqrt{2} - 1)$
 - 2. $1 : \sqrt{2}$
 - 3. $\sqrt{2} : 1$
 - 4. $(\sqrt{2} - 1) : \sqrt{2}$

Q.23 From a circle of radius r units, the largest equilateral triangle is cut out. What is the length (in units) of the side of the triangle?

- Ans
- 1. $\frac{r}{\sqrt{2}}$
 - 2. $\sqrt{2}r$
 - 3. $\sqrt{3}r$
 - 4. $\frac{r}{\sqrt{3}}$

Q.24 Find the altitude (in cm) from the vertex Q to side PR of triangle PQR with side lengths PQ = 40 cm, PR = 40 cm and QR = 60 cm.

- Ans
- 1. $25\sqrt{7}$
 - 2. $20\sqrt{7}$
 - 3. $15\sqrt{7}$
 - 4. $30\sqrt{7}$

Q.25 A shopkeeper sells goods at 40% loss on cost price but uses 25% less weight. What is his percentage profit or loss?

- Ans
- 1. Loss, 10%
 - 2. Profit, 10%
 - 3. Loss, 20%
 - 4. Profit, 20%

Q.1 Which Commission drew the boundary line between India and Pakistan?

- Ans
- 1. Radcliffe Boundary Commission
 - 2. Gandhi Irwin Pact
 - 3. Hilton Young Commission
 - 4. Bretton woods Commission

Q.2 Which Indian festival is a festival of lights?

- Ans
- 1. Bihu
 - 2. Holi
 - 3. Onam
 - 4. Diwali

Q.3 What is/are the objective(s) of Fiscal Policy?

- 1) Boost growth
- 2) Control inflation

- Ans
- 1. Both 1 and 2
 - 2. Only 2
 - 3. Only 1
 - 4. Neither 1 nor 2

Q.4 Which of the following statements most accurately describes the Cyclostomata group?

- Ans
- 1. Their skin is covered with scales/plates and their hearts have only two chambers.
 - 2. They are ectothermic animals having mucus glands in the skin, and a three-chambered heart.
 - 3. They are warm-blooded, oviparous, bipedal, feathered, winged and toothless vertebrates.
 - 4. They are characterised by having an elongated eel-like body, circular mouth, slimy skin and are scaleless.

Q.5 In Microsoft Office, how is the font size determined?

- Ans
- 1. Pixels
 - 2. Points
 - 3. Inches
 - 4. Centimetres

Q.6 The Parliament of India has passed the 86th Constitutional Amendment Act 2002, which establishes the basic rights of primary education for children between:

- Ans
- 1. 6-14 Years
 - 2. 7-16 Years
 - 3. 5-11 years
 - 4. 6-17 Years

Q.7 _____ was named as the new Shiv Sena president at the party national executive meeting in Mumbai in 2023.

- Ans
- 1. Eknath Shinde
 - 2. Narayan Rane
 - 3. Rahul Ramesh Shewale
 - 4. Aditya Uddhav Thackeray

Q.8 The famous folk music of Rajasthan that was developed in royal courts is known as:

- Ans
- 1. Maand
 - 2. Lavani
 - 3. Sohar
 - 4. Dandiya

Q.9 Where did India win its last Olympic medal in men's hockey? (As of March, 2024).

- Ans
- 1. Rio
 - 2. Tokyo
 - 3. Munich
 - 4. Mexico City

Q.10 Delhi ridge is the water divide between which of the following rivers?

- Ans
- 1. Ganges and Sind
 - 2. Indus and Mahi
 - 3. Ganges and Indus
 - 4. Ganges and Yamuna

Q.11 In which Gharana do singers perform the Khandhar Vani and Gauhar Vani?

- Ans
- 1. Dagari Gharana
 - 2. Bettiah Gharana
 - 3. Talwandi Gharana
 - 4. Darbhanga Gharana

Q.12 Which of the following isotopes is used as a fuel in nuclear power plants for generating electricity?

- Ans 1. Arsenic-74
 2. Carbon-14
 3. Uranium- 235
 4. Sodium-24

Q.13 Most major sports awards are accompanied by a cash reward. Which of the following is the only national sports award that does NOT include a cash reward?

- Ans 1. Major Dhyan Chand Khel Ratna
 2. Rashtriya Khel Protsahan Puruskar
 3. Maulana Abul Kalam Azad Trophy
 4. Dronacharya Award

Q.14 Which of the following statements about planet Saturn is true?

- Ans 1. Saturn is the fourth planet from the Sun and the largest planet in our solar system.
 2. Satellites like Enceladus and Titan of Saturn are home to internal oceans, could possibly support life.
 3. Saturn's environment is conducive to life.
 4. Saturn is a massive ball made up mostly of nitrogen.

Q.15 The Lucknow Gharana of Kathak was founded by _____, a devotee of the Bhakti movement who lived in southeast Uttar Pradesh.

- Ans 1. Ram Kumar
 2. Bhagwan Ram
 3. Ishwari Prasad
 4. Shyam Kumar

Q.16 Articles 344 (1) and 351 of the Constitution of India are related to the:

- Ans 1. Eighth Schedule
 2. Third Schedule
 3. Sixth Schedule
 4. Fifth Schedule

Q.17 Match the states in column A with their official languages in column B.

Column A (States)	Column B (Official Languages)
1. Andhra Pradesh	a. Malayalam
2. Kerala	b. Telugu
3. Karnataka	c. Konkani
4. Goa	d. Kannada

- Ans 1. 1-b, 2-a, 3-c, 4-d
 2. 1-b, 2-a, 3-d, 4-c
 3. 1-a, 2-b, 3-d, 4-c
 4. 1-a, 2-b, 3-c, 4-d

Q.18 The Fundamental Duties of Citizens were introduced by the 42nd Amendment in the year:

Ans 1. 1978

2. 1976

3. 1988

4. 1980

Q.19 Which of the following statement/(s) is /are true with respect to Supreme Court Observation in A.G. Perarivalan vs The State Of Tamil Nadu State?

1. It highlighted that the Governor's powers are qualified by the constitutional mandate, chiefly requiring them to act in aid and advice of the council of ministers
2. The bench headed by justice L Nageswara Rao ordered the freedom of one of the convicts in the Rajiv Gandhi assassination case.
3. The bench was of the opinion that there are three sources of power-Governor, Council of Ministers and the Constitution.

Ans 1. Both 1 and 2

2. Both 2 and 3

3. Only 3

4. Only 1

Q.20 On 11 August 2021, the General Insurance Business (Nationalisation) Amendment Bill, 2021 was passed by the Parliament and it amended the _____.

Ans 1. Motor Insurance (Nationalisation) Act, 1980

2. General Insurance Business (Nationalisation) Act, 1972

3. General Business (Nationalisation) Act, 1970

4. Life Insurance (Nationalisation) Act, 1975

Q.21 Which of the following is NOT the colour of a warning card in kabaddi?

Ans 1. Yellow

2. Green

3. Black

4. Red

Q.22 The Howrah bridge was officially opened in the year _____.

Ans 1. 1935

2. 1930

3. 1948

4. 1943

Q.23 The slide number can be added to each slide of the MS PowerPoint presentation from which of the following?

Ans 1. Footer

2. Page Formatting

3. View

4. Table Design

Q.24 Which Mughal ruler was responsible for the execution of Guru Tegh Bahadur in the year 1675?

- Ans
- 1. Jahangir
 - 2. Akbar
 - 3. Aurangzeb
 - 4. Shahjahan

Q.25 In which year did Swami Vivekananda give his speech at the Chicago Parliament of Religions?

- Ans
- 1. 1893
 - 2. 1892
 - 3. 1891
 - 4. 1890

KD JOB UPDATES

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Vellore
Exam Date	11/07/2024
Exam Time	11:45 AM - 12:45 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The given sentence is divided into four segments. Select the option that has the segment with a grammatical error.
He do not / fear the / repercussions of / this decision.

- Ans
- 1. fear the
 - 2. repercussions of
 - 3. He do not
 - 4. this decision.

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
It is his job / to chase out / clients with / outstanding debts.

- Ans
- 1. It is his job
 - 2. to chase out
 - 3. outstanding debts
 - 4. clients with

Q.3 Parts of the following sentence have been given as options. Select the option that contains an error.
Mumbai is the city of dreams but it is a expensive city too.

- Ans
- 1. but it is
 - 2. city of dreams
 - 3. a expensive city too
 - 4. Mumbai is the

Q.4 Select the most appropriate option to fill in the blanks.
(Ø = No article)
_____ road to Taj Mahal passes through _____ forest.

- Ans
- 1. A; a
 - 2. A; the
 - 3. Ø; Ø
 - 4. The; a

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank No. 1.

- Ans 1. unify
 2. cease
 3. seize
 4. collaborate

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank No. 2.

- Ans 1. withdrawn
 2. accumulated
 3. distributed
 4. dispersed

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank No. 3.

- Ans 1. amalgamation
 2. announcement
 3. indecision
 4. malpractices

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank No. 4.

- Ans 1. fragile
 2. like
 3. draconian
 4. comprehensive

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

When Prime Minister Narendra Modi announced that rupees with the denominations of 500/- and 1000/- would 1. _____ to be the legal tender from the 9th of November, the whole country was stunned. This decision caused a sensation in the whole country. Social media was flooded with messages and information. People started counting the cash they had 2. _____ for years legally or illegally. The main objective of this move was to curb black money, corruption and fake money menace. All the people but those who indulged in 3. _____ welcomed the move. The whole opposition shook hands against this move under one pretence or the other. They called this decision a 4. _____ law and wanted the government to roll it back. Severe criticisms were made to target the decision. The government also carried out 5. _____ attacks.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank No. 5.

- Ans 1. revengeful
 2. case
 3. example
 4. ineffectual

Q.10 Select the most appropriate synonym of the given word.
Advanced

- Ans 1. Foreign
 2. Elementary
 3. Discarded
 4. Progressive

Q.11 Select the correct collocation to complete the following sentence.

She suppressed a _____ urge to yawn.

- Ans 1. stout
 2. strong
 3. hard
 4. tough

Q.12 Select the most appropriate option that can substitute the underlined segment in the following sentence.

He passed away in the year 1950 at 10 a.m. on 13 July.

- Ans
- 1. in the year 1950 at 10 a.m. on 13 July
 - 2. on 13 July at 10 a.m. in the year 1950
 - 3. at 10 a.m. on 13 July in the year 1950
 - 4. in the year 1950 on 13 July at 10 a.m.

Q.13 Select the most appropriate ANTONYM of the underlined word in the given sentence.
The vendor said that the apples were of superior quality.

- Ans
- 1. Excellent
 - 2. Small
 - 3. Inferior
 - 4. Distasteful

Q.14 Select the most appropriate ANTONYM of the given word.
Precarious

- Ans
- 1. Doubtful
 - 2. Luminous
 - 3. Reliable
 - 4. Colossal

Q.15 Select the most appropriate idiom that can substitute the underlined word segment in the given sentence.

I know Covid has made you terribly ill, but the good thing is that you have developed immunity against it for further infections.

- Ans
- 1. the silver lining in the cloud
 - 2. crossing palms with silver
 - 3. being in the quicksilver
 - 4. the silver spoon

Q.16 Select the most appropriate homonym to fill in the blank.

Please _____ more sugar to the juice so that it becomes sweeter.

- Ans
- 1. aid
 - 2. add
 - 3. ad
 - 4. aide

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.

I was in Oman around two months.

- Ans
- 1. from
 - 2. into
 - 3. since
 - 4. for

Q.18 Select the most appropriate homophones to fill in the blanks.
Her father _____ her to opt for a chemistry _____ in her final year.

- Ans
- 1. aloud; coarse
 - 2. aloud; course
 - 3. allowed; course
 - 4. allowed; coarse

Q.19 Select the correctly spelt word.

- Ans
- 1. Imediately
 - 2. Immediately
 - 3. Immediately
 - 4. Immedeatly

Q.20 Select the most appropriate meaning of the given idiom.
Out of the frying pan and into the fire

- Ans
- 1. Being with someone through good times as well as bad times
 - 2. Being a horrible cook
 - 3. Things getting intense by the hour
 - 4. Things going from bad to worse

Q.21 Select the INCORRECTLY spelt word.

- Ans
- 1. Vindication
 - 2. Concentrate
 - 3. Psychometric
 - 4. Conglomerate

Q.22 Select the most appropriate synonym of the given word.

Perilous

- Ans
- 1. Adverse
 - 2. Ugly
 - 3. Bad
 - 4. Dangerous

Q.23 Select the most appropriate synonym of the underlined word.
My grandmother is fond of giving homilies to all my friends who visit my place.

- Ans
- 1. Suggestions
 - 2. Sermons
 - 3. Strictures
 - 4. Alternatives

Q.24 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The meeting closed with a vote of thanks.

- Ans
- 1. stopped
 - 2. finished
 - 3. completed
 - 4. concluded

Q.25 Select the most appropriate option that can substitute the underlined segment in the given sentence.

At his wit's end, he decided to return to his parents as he was unable to cope up with the stress of adjusting at a new place.

- Ans
- 1. After thinking
 - 2. Taking all notes
 - 3. Not knowing what to do
 - 4. Deciding after contemplation

Q.1 What should come in place of ? in the given series?

131 141 161 191 231 ?

- Ans
- 1. 271
 - 2. 261
 - 3. 281
 - 4. 291

Q.2 MAZQ is related to GUTK in a certain way based on the English alphabetical order. In the same way, CPNR is related to WJHL. To which of the following is KOEV related, following the same logic?

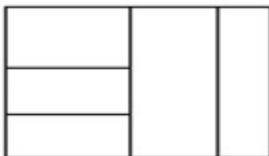
- Ans
- 1. EYPI
 - 2. EIYP
 - 3. EYIP
 - 4. EIPY

Q.3 Six numbers 1, 2, 4, 5, 7 and 9 are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the number on the face opposite to the face containing 9?



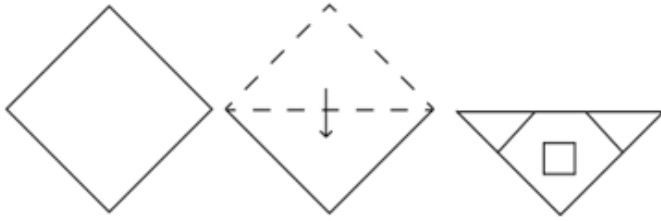
- Ans
- 1. 5
 - 2. 1
 - 3. 7
 - 4. 2

Q.4 What is the maximum number of rectangles in the given figure?



- Ans
- 1. 9
 - 2. 12
 - 3. 10
 - 4. 8

Q.5 The sequence of folding a piece of paper and the manner in which the folded paper is punched is shown in the following figures. How would this paper look when unfolded?



Ans

- 1.
- 2.
- 3.
- 4.

Q.6 Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FJM : UQN

DPQ : WKJ

- Ans**
- 1. OVC : LEX
 - 2. IEB : ACK
 - 3. LHE : VUT
 - 4. MNO : ONM

Q.7 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

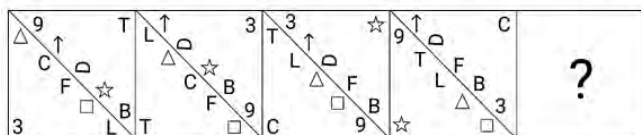
128 A 4 C 16 B 7 D 5 = ?

- Ans**
- 1. 159
 - 2. 139
 - 3. 149
 - 4. 129

Q.8 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
 (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- Ans
- 1. QSV
 - 2. BDG
 - 3. FHK
 - 4. LNP

Q.9 Which figure should replace the question mark (?) if the following figure series were to be continued?



Ans

- 1.
- 2.
- 3.
- 4.

Q.10 38 is related to 80 following a certain logic. Following the same logic, 42 is related to 88. To which of the following is 29 related, following the same logic?

- Ans
- 1. 62
 - 2. 78
 - 3. 66
 - 4. 54

Q.11 In a certain code language, '78623' is coded as 'TAKEN' and '32685' is coded as 'TOKEN'. What is the code for '5' in that language?

- Ans**
- 1. O
 - 2. T
 - 3. E
 - 4. A

Q.12 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

Some tables are gates.

All mats are tables.

All plates are gates.

Conclusion (I): All gates are mats.

Conclusion (II): All tables are plates.

- Ans**
- 1. Neither conclusion (I) nor (II) follows.
 - 2. Both conclusions (I) and (II) follow.
 - 3. Only conclusion (I) follows.
 - 4. Only conclusion (II) follows.

Q.13 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$28 \div 90 + 6 - 5 \times 17 = ?$$

- Ans**
- 1. 86
 - 2. 80
 - 3. 84
 - 4. 82

Q.14 Which of the following numbers will replace the question mark (?) in the given series?

19, ?, 43, 55, 67

- Ans**
- 1. 34
 - 2. 33
 - 3. 31
 - 4. 41

Q.15 If 2 August 2016 is a Tuesday, then what will the day of the week on 19 October 2020?

- Ans**
- 1. Thursday
 - 2. Wednesday
 - 3. Monday
 - 4. Saturday

Q.16 What should come in place of ? in the given series based on the English alphabetical order?

RKD ? ZUP QMI HEB

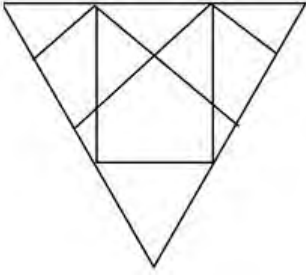
- Ans**
- 1. ZYZ
 - 2. WCI
 - 3. ICW
 - 4. ABC

Q.17 In a certain code language,
'M & N' means 'M is the wife of N',
'M @ N' means 'M is the brother of N',
'M \$ N' means 'M is the mother of N',
'M # N' means 'M is the sister of N'.
Based on this, how is Q related to U, if 'P & Q @ R \$ T # U'?

- Ans**
- 1. Father
 - 2. Father's brother
 - 3. Mother's brother
 - 4. Brother

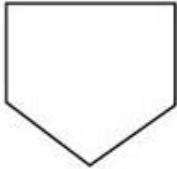
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Q.18 Select the option that is embedded in the given figure (rotation is NOT allowed).

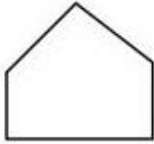


Ans

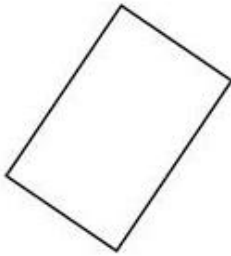
1.



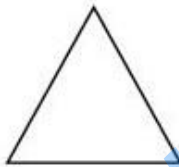
2.



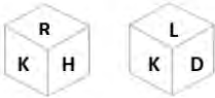
3.



4.



Q.19 Six letters D, H, K, L, R and Y are written on different faces of a dice. Two positions of this dice are shown in the figure. Which is the letter on the face opposite to the face containing H?



Ans 1. Y

2. D

3. K

4. L

Q.20 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
EFG, KLM, QRS, ?

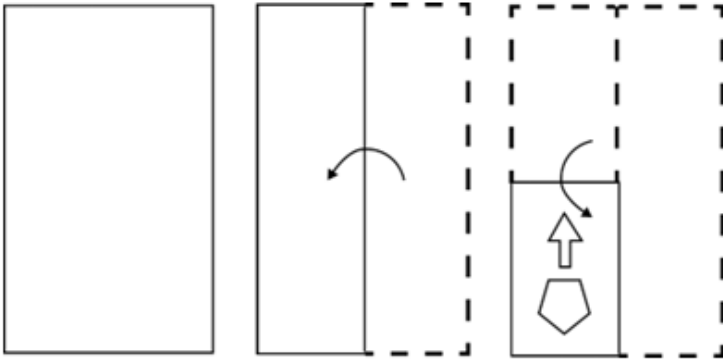
- Ans
- 1. WXY
 - 2. XYZ
 - 3. UVW
 - 4. WXZ

Q.21 If 19 July 2000 is Wednesday, then what will be the day of the week on 14 June 2009?

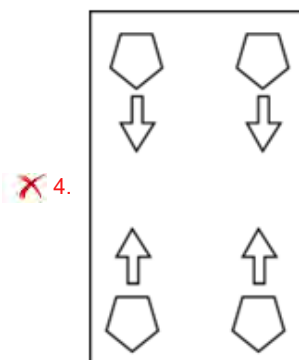
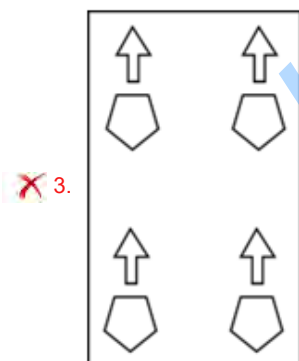
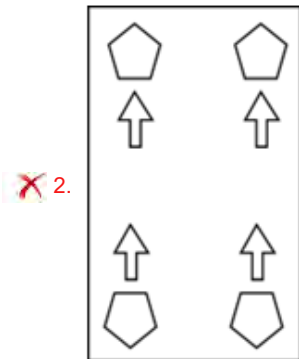
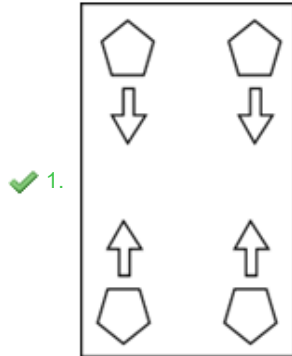
- Ans
- 1. Thursday
 - 2. Friday
 - 3. Tuesday
 - 4. Sunday

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Q.22 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans



Q.23 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(81, 53, 70)

(94, 66, 83)

Ans 1. (86, 58, 65)

2. (77, 59, 76)

3. (68, 40, 67)

4. (99, 71, 88)

Q.24 In a certain code language, 'YOUR' is coded as '5627' and 'CROY' is coded as '2769'. What is the code for 'C' in the given code language?

Ans 1. 6

2. 7

3. 9

4. 2

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$10 - 12 \div 7 + 84 \times 21 = ?$$

Ans 1. 95

2. 90

3. 93

4. 85

Q.1 A shopkeeper sells his goods using weights 27% less than true weights and claims to sell his goods at the cost price. His gain per cent (rounded off to 1 decimal place) is:

Ans 1. 39.8

2. 47.9

3. 37.0

4. 40.0

Q.2 Three cubes each of side 5 cm are joined end to end. The surface area of the resulting cuboid is:

Ans 1. 350 cm^2

2. 75 cm^2

3. 175 cm^2

4. 150 cm^2

Q.3 A sum of ₹5,000 was lent to two people, one at the rate of 16% and the other at the rate of 24%. If the simple interest after one year is ₹960, what is the sum lent at the higher rate?

Ans 1. ₹2,500

2. ₹2,000

3. ₹3,000

4. ₹1,500

Q.4 A and B are two stations 420 km apart. A train starts from A at 11 am and travels towards B at the speed of 70 kmph. Another train starts from B at 12 noon and travels towards A at the speed of 30 kmph. At what time do they meet?

- Ans 1. 3.30 pm
 2. 1.30 pm
 3. 2 pm
 4. 3 pm

Q.5 Mira can complete a piece of work in 20 days, Nina in 30 days and Sima in 40 days. Mira and Sima worked together for 4 days and then Mira was replaced by Nina. In how many days, altogether, was the work completed?

- Ans 1. 18
 2. 20
 3. 16
 4. 14

Q.6 In $\triangle DEW$, $AB \parallel EW$. If $AD = 4$ cm, $DE = 12$ cm and $DW = 24$ cm, then find the length of DB .

- Ans 1. 7 cm
 2. 8 cm
 3. 9 cm
 4. 6 cm

Q.7 If the area of a rhombus is 70 m^2 and its height is 5 m, its perimeter is _____.

- Ans 1. 64 m
 2. 35 m
 3. 56 m
 4. 25 m

Q.8 The measure of each side of an equilateral triangle is 16 cm. What is the ratio of its perimeter to the sum of its medians?

- Ans 1. $\sqrt{3} : 2$
 2. $2\sqrt{3} : 1$
 3. $2 : \sqrt{3}$
 4. $1 : 2\sqrt{3}$

Q.9 A hemispherical bowl is made of silver and has an inner diameter of 4 cm if the thickness of silver is 0.5 cm. Find the volume of silver used in making the bowl correct to two places of decimals (use $\pi=3.14$).

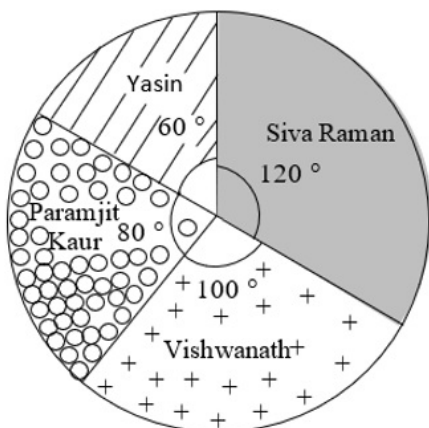
- Ans 1. 15.69 cm^3
 2. 51.96 cm^3
 3. 15.96 cm^3
 4. 51.69 cm^3

Q.10 Shyam's income is 20% less than Ram's. How much is Ram's income more than Shyam's in percentage terms?

- Ans 1. 20%
 2. 25%
 3. 80%
 4. 30%

Q.11 Study the given pie-chart and answer the question that follows.

The pie-chart represents the total number of valid votes obtained by four students who contested for school leadership. The total number of valid votes polled was 720.



By how many votes did the winner defeat the nearest contestant?

- Ans 1. 30
 2. 40
 3. 10
 4. 20

Q.12 A vertical pole of length 6 m casts a 4 m long shadow on the ground. At the same time, a tower casts a 28 m long shadow. Find the height of the tower.

- Ans 1. 48 m
 2. 32 m
 3. 36 m
 4. 42 m

Q.13 O is the centre of the circle. Its two chord AB and CD intersect each other at the point P (internally) within the circle. If AB = 22 cm, PB = 14 cm, CP = 8 cm, then find the value of the PD.

- Ans 1. 12 cm
 2. 22 cm
 3. 11 cm
 4. 14 cm

Q.14 In an election between two candidates, 30% voters did not cast their votes and 200 votes were declared invalid. The winner got 65% of the valid votes. If he won by 1200 votes, then find the total votes.

- Ans 1. 6000
 2. 9000
 3. 8000
 4. 7000

Q.15 What is the value of a so that the seven-digit number 4645a52 is divisible by 72?

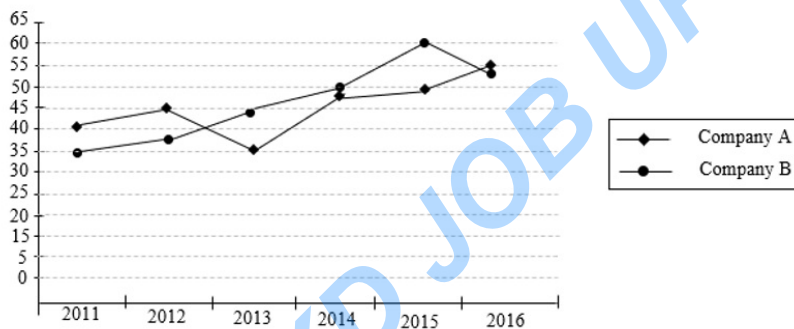
- Ans 1. 2
 2. 0
 3. 3
 4. 1

Q.16 On dividing a certain number by 459, we get 19 as remainder. What will be the remainder, when the same number is divided by 17?

- Ans 1. 11
 2. 1
 3. 13
 4. 2

Q.17 Study the given graph and answer the question that follows.

The graph shows the profit percentage earned by two companies – A and B over a period of six years.



What is the percentage increase in profit percentage of company B in the year 2014 from the previous year?

- Ans 1. 5.75%
 2. 6.55%
 3. 7.5%
 4. 13.63%

Q.18 The sum of the digits of a two-digit number is 9. The number obtained by interchanging its digits exceeds the given number by 45, then the original number is:

- Ans 1. 18
 2. 36
 3. 27
 4. 54

Q.19 Pomegranate juice contains 10% sugar solution and orange juice contains 30% sugar solution. What is the percentage of sugar solution in a mixture of two litres of pomegranate juice and three litres of orange juice?

Ans 1. 22%

2. 20%

3. 40%

4. 25%

Q.20 Study the given table and answer the question that follows.

The table shows the results of half-yearly and annual examinations of three sections A, B, C of class X students in a school.

Result	Number of students		
	Section A	Section B	Section C
Students failed in both exams	39	20	12
Students failed in half-yearly but passed in annual exams	16	14	6
Students passed in half-yearly but failed in annual exams	10	12	8
Students passed in both exams	65	45	35

Find the pass percentage of section A in at least one of the two examinations.

Ans 1. 75%

2. 70%

3. 65%

4. 80%

Q.21 Divide 25 into two parts such that 6 times of the larger part added to 4 times of the smaller part is equal to 130. Find the larger part.

Ans 1. 13

2. 20

3. 15

4. 14

Q.22 The following table shows the number of trees axed in 2016 - 2020. Study the given information carefully and answer the question that follows.

Year	Neem	Banyan	Teak
2016	15,000	20,000	25,000
2017	18,000	28,000	28,000
2018	22,000	32,000	32,000
2019	25,000	35,000	35,000
2020	28,000	38,000	38,000

What was the percentage increase in the number of banyan trees axed in 2020 compared to the number of banyan trees axed in 2016?

- Ans**
- 1. 90%
 - 2. 9%
 - 3. 47.4%
 - 4. 60%

Q.23 What is the value of $\cos^{-1}\left(\frac{7}{25}\right) - \cos^{-1}\left(\frac{15}{17}\right)$?

- Ans**
- 1. $\cos^{-1}\left(\frac{304}{425}\right)$
 - 2. $\cot^{-1}\left(\frac{297}{425}\right)$
 - 3. $\tan^{-1}\left(\frac{297}{425}\right)$
 - 4. $\sin^{-1}\left(\frac{304}{425}\right)$

Q.24 Which of the following is NOT true regarding a circle?

- Ans**
- 1. Given any three points in a plane, there is always a circle passing through these points
 - 2. The largest chord in a circle has a length twice its radius
 - 3. The ratio of the perimeter and radius of a circle is always constant
 - 4. A triangle with vertices on a circle and one side as its diameter is a right-angled triangle

Q.25 In an election, there were only two candidates. One of the candidates secured 44% of the votes and is defeated by the other candidate by 1440 votes. If there were no invalid votes, then the total number of votes polled is:

- Ans**
- 1. 13000
 - 2. 12000
 - 3. 14000
 - 4. 15000

Q.1 In which year was the Rajiv Gandhi Khel Ratna award renamed as Major Dhyan Chand Khel Ratna award, which is the highest sporting honour in the nation?

- Ans**
- 1. 1991
 - 2. 2019
 - 3. 2021
 - 4. 2014

Q.2 The Indian Constitution borrowed the concept of concurrent list from _____.

- Ans**
- 1. USSR
 - 2. Japan
 - 3. Germany
 - 4. Australia

Q.3 The UIDAI is under the jurisdiction of which of the following ministries?

- Ans**
- 1. Ministry of Electronics and Information Technology
 - 2. Ministry of Home Affairs
 - 3. Ministry of Education
 - 4. Ministry of Finance

Q.4 Which of the following statements about the Mahila Samman Savings Certificate is incorrect as of 31 March 2024?

- Ans**
- 1. The maximum limit of deposit in the scheme is 2 lakhs per year.
 - 2. The tenure of the scheme is 5 years.
 - 3. The scheme is valid up to 31 March 2025.
 - 4. The scheme was announced in the 2023-24 budget.

Q.5 The Battle of Khanua was fought between Babur and _____.

- Ans**
- 1. Rana Ratna Singh
 - 2. Rana Sanga
 - 3. Maharana Pratap
 - 4. Medini Rao

Q.6 Which organisation was started in the Pune district of Maharashtra in the 1870s with the aim of promoting education and social rights among the underprivileged group of the society?

- Ans**
- 1. Shoshit Seva Samaj
 - 2. Deepalaya Samaj
 - 3. Prarthana Samaj
 - 4. Satyashodhak Samaj

Q.7 Who proposed that 'Light is made up of waves propagating perpendicular to the direction of its movement'?

- Ans**
- 1. Kepler
 - 2. Huygens
 - 3. Pauli
 - 4. Newton

Q.8 To which Hindustani music Gharana are the Gundecha brothers related?

- Ans 1. Patiala Gharana
 2. Agra Gharana
 3. Dagari Gharana
 4. Indore Gharana

Q.9 In the Hindustani music system, the _____ are allotted to different hours of the day and different seasons.

- Ans 1. ragas
 2. gita
 3. varnas
 4. srutis

Q.10 In which year was Micro Units Development and Refinance Agency (MUDRA) introduced?

- Ans 1. 2017
 2. 2015
 3. 2009
 4. 2013

Q.11 Match the dances in column A with their states in column B.

Column A (Dances)	Column B (States)
1. Bharatanatyam	a. Gujarat
2. Mohiniattam	b. Tamil Nadu
3. Garba	c. Kerala
4. Sattriya	d. Assam

- Ans 1. 1-b, 2-c, 3-d, 4-a
 2. 1-a, 2-c, 3-b, 4-d
 3. 1-c, 2-b, 3-a, 4-d
 4. 1-b, 2-c, 3-a, 4-d

Q.12 Which shortcut key is used to paste a slide in Microsoft PowerPoint?

- Ans 1. CTRL + X
 2. CTRL + V
 3. CTRL + P
 4. CTRL + C

Q.13 Any citizen of India can make a declaration renouncing his/her Indian citizenship under the _____.

- Ans 1. Citizenship Act, 1985
 2. Citizenship Act, 1965
 3. Citizenship Act, 1955
 4. Citizenship Act, 1975

Q.14 In which year did a trio of scientists, Avery, MacLeod and McCarty, prove that except viruses, all living organisms have DNA as their genetic material?

- Ans 1. 1961
 2. 1944
 3. 1918
 4. 1902

Q.15 El Nino is a climate pattern that describes the unusual warming of surface waters in which ocean?

- Ans 1. Indian Ocean
 2. Pacific Ocean
 3. Atlantic Ocean
 4. Arctic Ocean

Q.16 Formulas in MS-Excel always start with which of the following symbols?

- Ans 1. !
 2. -
 3. =
 4. ==

Q.17 When and where did the first Asian Games take place?

- Ans 1. 2010, New Delhi
 2. 2014, Maharashtra
 3. 1951, New Delhi
 4. 1982, Punjab

Q.18 In August 2021, the Administrator of Lakshadweep, Praful Khoda Patel, highlighted that _____ style water villas, a project which is a first of its kind, will soon be set up in Lakshadweep, at a cost of 800 crores, in a bid to attract tourists to scenic beauty of the Union Territory.

- Ans 1. Malaysia
 2. Fiji
 3. Mexico
 4. Maldives

Q.19 Balasaraswati who was regarded as child prodigy by Vidhwans and Pandits played an important role in reviving the dance form _____.

- Ans 1. Mohiniyattam
 2. Bharatanatyam
 3. Kuchipudi
 4. Kathak

Q.20 As per the Economic Survey 2022-23, the Labour Force Participation Rate for males has gone up to _____ in 2020-21.

- Ans 1. 54.2%
 2. 59.3%
 3. 55.1%
 4. 57.5%

Q.21 Which of the following statements is/are correct?

- I- Radio broadcasting started in India in 1923 by the Radio Club of Bombay.
- II- All India Radio came into being in 1936.
- III - In 1976, TV was delinked from All India Radio (AIR) and got a separate identity as Door darshan (DD).

Ans 1. I, II and III are correct

- 2. Both I and II are correct.
- 3. Both II and III are correct.
- 4. Only III is correct.

Q.22 Which of these is NOT true of the second phase of the green revolution?

Ans 1.

It was adopted by farmers living in dry and semi-arid regions of India.

2.

It was launched in areas with a significant shift from dry to wet (irrigated) cultivation.

3. It covered the period of the 1960s and 1970s.

4. It covered the period of the 1980s.

Q.23 Which of the following pairs of Indian rivers is west flowing?

Ans 1. Krishna and Kaveri

2. Mahanadi and Krishna

3. Narmada and Tapi

4. Mahanadi and Godavari

Q.24 With reference to Chethiagiri Vihar festival consider the following statements and select the correct option.

i) It is a Buddhist festival.

ii) It is held at Sanchi, Madhya Pradesh.

iii) Relics of SariPutta and Maha Moggallana are worshiped.

Ans 1. Both ii and iii

2. Both i and iii

3. Both i and ii

4. i, ii, iii

Q.25 Where was the first Durand Cup, India's oldest football tournament, held?

Ans 1. Delhi

2. Calcutta

3. Madras

4. Shimla

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Trinity 2
Exam Date	11/07/2024
Exam Time	2:30 PM - 3:30 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

My Vice-Chancellor works / eighteen hours / a day, / seven days week.

- Ans**
- 1. a day,
 - 2. seven days week.
 - 3. eighteen hours
 - 4. My Vice-Chancellor works

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The teacher will / certainly help you / if you will / ask her.

- Ans**
- 1. certainly help you
 - 2. ask her
 - 3. if you will
 - 4. The teacher will

Q.3 The following sentence has been divided into three segments. Identify the segment that contains a grammatical error. If you don't find any error, select 'No error' as your answer.

It was possible to achieve anything, / if one has the grit and determination / to keep going.

- Ans**
- 1. to keep going.
 - 2. It was possible to achieve anything,
 - 3. No error
 - 4. if one has the grit and determination

Q.4 Identify the error in the tense of the sentence and select the option that correctly rectifies the error.

Between two evils, I always picks the one I have never tried before.

- Ans**
- 1. Between two evils, I always picked the one I have never tried before.
 - 2. Between two evils, I always pick the one I have never tried before.
 - 3. Between two evils, I always picking the one I have never tried before.
 - 4. Between two evils, I always is picking the one I have never tried before.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on _____1_____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a _____2_____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than _____3_____ farming, India will find organic farming an attractive _____4_____. Finally, the produce is pesticide-free and produced in an environmentally _____5_____ way.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans 1. investment
 2. expenditure
 3. profit
 4. loss

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on _____1_____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a _____2_____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than _____3_____ farming, India will find organic farming an attractive _____4_____. Finally, the produce is pesticide-free and produced in an environmentally _____5_____ way.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans 1. stagnation
 2. decline
 3. rise
 4. growth

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on _____1_____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a _____2_____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than _____3_____ farming, India will find organic farming an attractive _____4_____. Finally, the produce is pesticide-free and produced in an environmentally _____5_____ way.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans 1. mechanical
 2. conventional
 3. insipid
 4. rigorous

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on _____1_____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a _____2_____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than _____3_____ farming, India will find organic farming an attractive _____4_____. Finally, the produce is pesticide-free and produced in an environmentally _____5_____ way.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

- Ans 1. challenge
 2. burden
 3. obstacle
 4. proposition

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Organic agriculture offers a means to substitute costlier agricultural inputs such as HYV seeds, chemical fertilisers and pesticides with locally produced organic inputs that are cheaper and thereby generate good returns on _____1_____. Organic agriculture also generates income through exports as the demand for organically grown crops is on a _____2_____. Studies across countries have shown that organically grown food has more nutritional value than chemical farming, thus providing us with healthy foods. Since organic farming requires more labour input than _____3_____ farming, India will find organic farming an attractive _____4_____. Finally, the produce is pesticide-free and produced in an environmentally _____5_____ way.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

- Ans 1. sustainable
 2. destructive
 3. harmful
 4. innovative

Q.10 Rectify the sentence by selecting the correct spelling from the options.

Psychology developed as a significant discipline of study in the twentieth century.

- Ans 1. Psychology
 2. Pscycology
 3. Pscichology
 4. Pcychology

Q.11 Select the most appropriate option to fill in the blank.

The guard did not want anything bad to happen, so he ordered the group to step back to avoid anything _____.

- Ans 1. diplomatic
 2. habitual
 3. customary
 4. terrible

Q.12 Select the most appropriate synonym of the given word.

Anxiety

- Ans 1. Ease
 2. Distress
 3. Dilemma
 4. Serenity

Q.13 Select the most appropriate ANTONYM of the underlined word.

I left the job because of a hostile working environment.

- Ans 1. Rustic
 2. Violent
 3. Friendly
 4. Morose

Q.14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

He has recovered now and is feeling too strong to walk.

- Ans 1. strong to walk
 2. too weak to walk
 3. weak enough to walk
 4. strong enough to walk

Q.15 Select the most appropriate homophones to fill in the blanks.

I _____ that he has been promoted to the post of _____ officer.

- Ans 1. heard; ceiling
 2. heard; sealing
 3. herd; ceiling
 4. herd; sealing

Q.16 Select the option that will improve the underlined part of the given sentence.

Neither Janki or I am to receive the award.

- Ans 1. not
 2. no
 3. nor
 4. either

Q.17 Select the correctly spelt word.

- Ans 1. Quintessential
 2. Quintessential
 3. Quintessential
 4. Quintesential

Q.18 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Peter was the last to know that she had been cheating of him.

- Ans 1. cheating in him
 2. cheating up him
 3. cheating on him
 4. cheat of him

Q.19 Select the most appropriate ANTONYM of the given word.
Queer

- Ans 1. Fantastic
 2. Doubtful
 3. Ordinary
 4. Eccentric

Q.20 Select the most appropriate option to fill in the blank and complete the sentence.
You just wait in the lobby. I will be back after _____.

- Ans 1. a fast meal
 2. a quick food
 3. a fast shower
 4. a quick shower

Q.21 Select the most appropriate meaning of the underlined idiom in the given sentence.
Every piece of furniture in her house is in apple-pie order.

- Ans 1. Very delicately arranged
 2. Kept in a disorganised way
 3. Very neatly arranged
 4. Painted in light colours

Q.22 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

The film was made in Botswana, whose wildlife parks is larger to those in Kenya.

- Ans 1. are large than
 2. No substitution required
 3. are larger than
 4. as large than

Q.23 Select the most appropriate ANTONYM of the word 'Contaminate' from the given sentence.

Crews were requested to purify the system since a brain-eating amoeba was discovered in the drinking water.

- Ans 1. requested
 2. discovered
 3. purify
 4. system

Q.24 Select the most appropriate homophones to fill in the blanks.

It was against her _____ to earn more _____ than that decided by the board of directors.

- Ans 1. principle, profit
 2. principal; prophet
 3. principal; profit
 4. principle; prophet

Q.25 Select the most appropriate meaning of the given idiom.
To throw dust in one's eyes

- Ans
- 1. To hit someone with stone
 - 2. To mislead someone by tricks
 - 3. To talk in an abusive language
 - 4. To make someone blind forever

Q.1 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans

- 1.
- 2.
- 3.
- 4.

Q.2 Which of the following numbers will replace the question mark (?) in the given series?
800 400 480 240 320 ?

- Ans
- 1. 160
 - 2. 180
 - 3. 200
 - 4. 120

Q.3 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

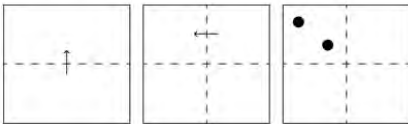
JIG_KG_U_EGZM_GE

- Ans
- 1. PGMC
 - 2. NGMC
 - 3. NGCL
 - 4. PGLC

Q.4 In a certain code language,
 'A + B' means 'A is the sister of B',
 'A - B' means 'A is the brother of B',
 'A × B' means 'A is the father of B',
 'A ÷ B' means 'A is the daughter of B'.
 Based on the above, how is K related to P if 'J ÷ K + L × O - P'?

- Ans
- 1. Mother's sister
 - 2. Mother
 - 3. Sister
 - 4. Father's sister

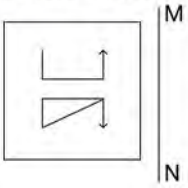
Q.5 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?



Ans

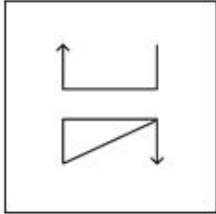
- 1.
- 2.
- 3.
- 4.

Q.6 Select the correct mirror image of the given figure when the mirror is placed at MN, as shown.

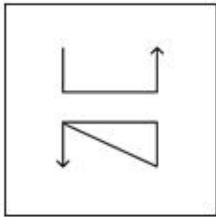


Ans

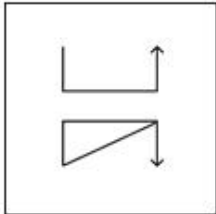
1.



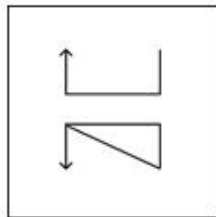
2.



3.



4.



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Q.7 Identify the figure in the options that when put in place of the question mark (?) will logically complete the series?

$\frac{10}{5} \times \frac{15}{20}$	$\frac{15}{10} \times \frac{25}{35}$	$\frac{20}{15} \times \frac{35}{45}$	$\frac{25}{20} \times \frac{45}{55}$?
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Ans

1.

$$\frac{30}{20} \times \frac{10}{25}$$

2.

$$\frac{30}{25} \times \frac{5}{20}$$

3.

$$\frac{30}{20} \times \frac{50}{55}$$

4.

$$\frac{30}{25} \times \frac{55}{45}$$

Q.8 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

Ans 1. JNP

2. HKM

3. CGI

4. RVX

Q.9 13 is related to 156 following a certain logic. Following the same logic, 22 is related to 264. To which of the following is 31 related following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans 1. 370

2. 376

3. 374

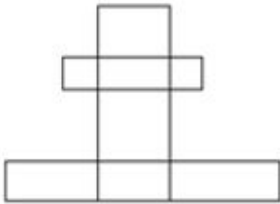
4. 372

Q.10 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

a _ z b _ y c _ x _ a z _ b y c c _ a a _ b b _ c c x _ a z _ b y _ c x

- Ans
- 1. abcabxzyabc
 - 2. bacazbxyacb
 - 3. bacabzxyabc
 - 4. acbacxzyabc

Q.11 How many rectangles are there in the figure?



- Ans
- 1. 16
 - 2. 15
 - 3. 17
 - 4. More than 17

Q.12 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?

5 B 5 C 216 A 9 D 3 = ?

- Ans
- 1. 32
 - 2. 64
 - 3. 46
 - 4. 23

Q.13 In a certain code language, 'TWIN' is coded as 2359 and 'WING' is coded as 5302. What is the code for 'T' in the given code language?

- Ans
- 1. 9
 - 2. 2
 - 3. 5
 - 4. 3

Q.14 If 18 January 2013 was Friday, then what was the day of the week on 19 December 2021?

- Ans
- 1. Thursday
 - 2. Sunday
 - 3. Saturday
 - 4. Wednesday

Q.15 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(25, 8, 11)

(28, 8, 12)

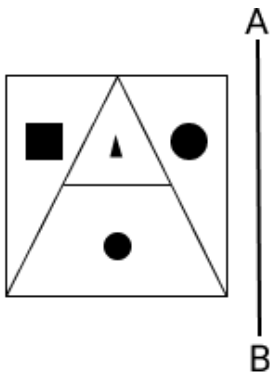
Ans 1. (42, 6, 21)

2. (22, 13, 19)

3. (17, 7, 8)

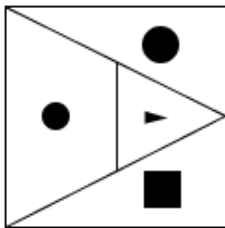
4. (15, 5, 8)

Q.16 Select the correct mirror image of the given figure when the mirror is placed at AB.

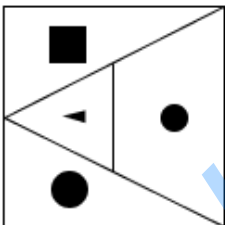


Ans

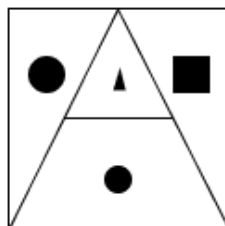
1.



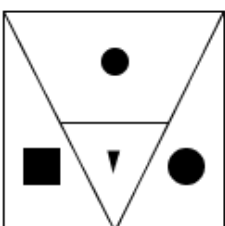
2.



3.



4.



Q.17 CEHM is related to YADI in a certain way based on the English alphabetical order. In the same way, IKNS is related to EGJO. To which of the following is OQTY related, following the same logic?

- Ans 1. KMPU
 2. KNOU
 3. KOPU
 4. KNPU

Q.18 Three statements are followed by conclusions numbered I, II. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statement.

Statements:

All ground is wind.

Some tables are ground.

All wind is earth.

Conclusion (I): No tables are earth.

Conclusion (II): All earth is ground.

- Ans 1. Only conclusion (II) follows.
 2. Only conclusion (I) follows.
 3. Both conclusions (I) and (II) follow.
 4. Neither conclusion (I) nor (II) follows.

Q.19 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$24 \div 9 + 182 \times 13 - 2 = ?$$

- Ans 1. 172
 2. 224
 3. 238
 4. 204

Q.20 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



- Ans 1. d 2 m a 7 R
 2. R 7 a m d 2
 3. R 7 a m d 2
 4. 2 b a m 7 R

Q.21 In a certain code language, 'DARK' is coded as '3975' and 'READ' is coded as '5873'. How is 'K' coded in the given language?

- Ans** 1. 9
 2. 7
 3. 5
 4. 3

Q.22 What should come in place of the question mark (?) in the given series?
 50, 51, 54, 55, 58, ?

- Ans** 1. 62
 2. 64
 3. 59
 4. 60

Q.23 Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Compress : Expand

- Ans** 1. Hopeful : Optimistic
 2. Defend : Protect
 3. Limit : Boundless
 4. Observe : Notice

Q.24 The position of how many letters will remain unchanged if each of the letters in the word NUCLEAR is arranged in the alphabetical order?

- Ans** 1. None
 2. Three
 3. One
 4. Two

Q.25 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$17 \div 4 - 28 + 125 \times 5 = ?$$

- Ans** 1. 74
 2. 73
 3. 72
 4. 71

Q.1 The sum of the present ages of a father and son is 50 years. If after 5 years, the father's age will be 5 times the age of the son, then what was the father's age 5 years ago?

- Ans** 1. 40
 2. 43
 3. 47
 4. 36

Q.2 The cost price of a fan is ₹4,400. A merchant wants to make a 24% profit by selling it. At the time of sale, merchant declares a discount of 12% on the marked price. Find the marked price.

- Ans**
- 1. ₹6,020
 - 2. ₹2,060
 - 3. ₹2,600
 - 4. ₹6,200

Q.3 The price of a product increases by 10% in the first year and 20% in the second year. What is the overall percentage increase in the price of the product over the two years?

- Ans**
- 1. 28%
 - 2. 32%
 - 3. 36%
 - 4. 30%

Q.4 Find the whole surface area of a cuboid having a length of 19 cm, breadth of 9 cm and height of 4.5 cm.

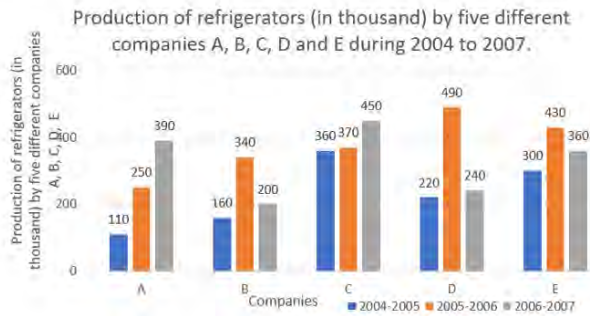
- Ans**
- 1. 497 cm²
 - 2. 619 cm²
 - 3. 594 cm²
 - 4. 917 cm²

Q.5 $\Delta ABC \sim \Delta EDF$ and $\text{area}(\Delta ABC) : \text{area}(\Delta EDF) = 1 : 4$. If $AB = 7$ cm, $BC = 8$ cm and $CA = 9$ cm, then DF is equal to:

- Ans**
- 1. 14 cm
 - 2. 12 cm
 - 3. 18 cm
 - 4. 16 cm

Q.6 Study the given bar-graph and answer the question that follows.

The bar-graph shows the production of refrigerators (in thousand) by five different companies A, B, C, D and E during 2004 to 2007.



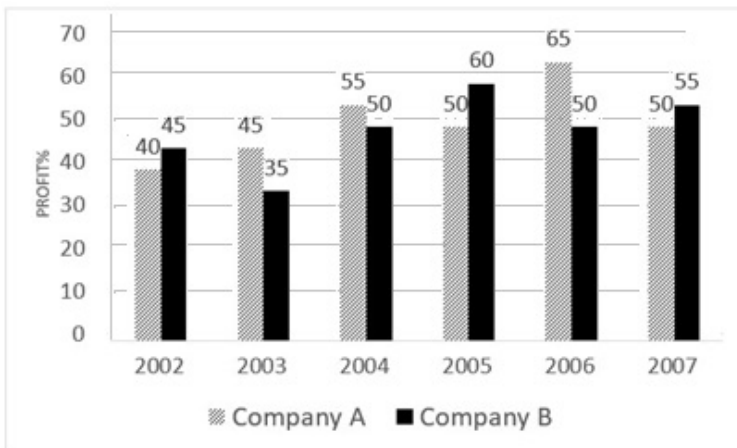
What is the difference between 60% of the average production of refrigerators by all the companies for the year 2005-2006 and 70% of the average of all the companies in 2006-2007?

- Ans**
- 1. 400
 - 2. 4
 - 3. 4000
 - 4. 4.40

Q.7 The value of $1\frac{1}{3} \div \left[2\frac{1}{6} \div \left\{ 14\frac{1}{3} - \left(2\frac{1}{3} + 3\frac{1}{2} \right) \right\} \right]$ is:

- Ans**
- 1. $5\frac{3}{13}$
 - 2. $3\frac{2}{13}$
 - 3. $4\frac{3}{17}$
 - 4. $3\frac{2}{17}$

Q.8 Study the following graph and answer the question that follows.
The following bar graph shows the percentage profit earned by two companies A and B over the given years.



The incomes of two companies A and B in 2006 were in the ratio 3 : 4, respectively. What was the respective ratio of their expenditures in 2006?

- Ans
- 1. 15 : 22
 - 2. 14 : 19
 - 3. 7 : 22
 - 4. 27 : 35

Q.9 Simplify $\frac{\sin 60^\circ - \cos 60^\circ}{\sin 60^\circ + \cos 60^\circ}$

- Ans
- 1. $2 + \sqrt{3}$
 - 2. $\sqrt{3} - 2$
 - 3. $\sqrt{3} - 1$
 - 4. $2 - \sqrt{3}$

Q.10 The table shows the percentage distribution of the population (only male and female) according to Gender and Literacy.

State	Percentage literate	Gender	
		Literate	Illiterate
		M : F	M : F
A	55	5 : 6	4 : 5
B	72	1 : 1	3 : 2
C	78	4 : 3	3 : 2

If state B has 7 crore people, then the number of illiterate females in the state is:

- Ans
- 1. 130.67 lakhs
 - 2. 201.6 lakhs
 - 3. 117.6 lakhs
 - 4. 78.4 lakhs

Q.11 Out of a class of 200 people, 50 people's average marks is 40, and the remaining 150 people's average is 60. Find the people's weighted average.

- Ans
- 1. 50
 - 2. 200
 - 3. 55
 - 4. 150

Q.12 In two successive years, 75 and 50 employees of a company appeared at the departmental examination. Respectively, 84% and 52% of them passed. The average rate of pass percentage is:

- Ans
- 1. 71%
 - 2. 41%
 - 3. $71\frac{1}{5}\%$
 - 4. $41\frac{1}{5}\%$

Q.13 Find the mean proportion to 0.72 and 2.85 (round up to one decimal place).

- Ans
- 1. 1.4
 - 2. 0.7
 - 3. 2.8
 - 4. 0.4

Q.14 Two circles of radii 3 units and r units, respectively, have a 6 units distance between their centers. If the length of the direct common tangent is $\sqrt{35}$ units, then the value of r is ___ units.

- Ans
- 1. 3
 - 2. 4
 - 3. 6
 - 4. 5

Q.15 In how many years will a sum of ₹4,250 yield a simple interest of ₹510 at a rate of 6% per annum?

- Ans
- 1. $3\frac{1}{2}$ years
 - 2. 3 years
 - 3. $2\frac{1}{2}$ years
 - 4. 2 years

Q.16 Shantanu's income decreased from ₹42,800 to ₹37,236. Find the percentage decrease in his income.

- Ans 1. 13%
 2. 11%
 3. 14%
 4. 12%

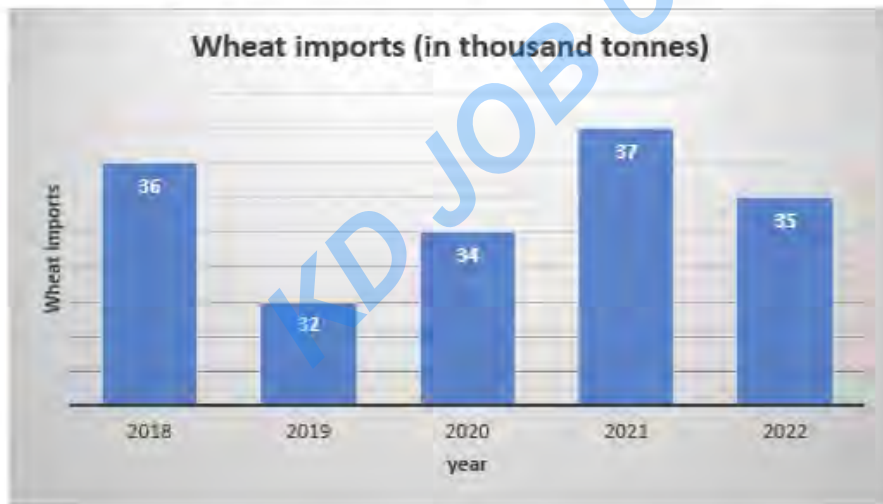
Q.17 The surface area of a spherical ball is 1386 cm^2 . What will be its volume?

- Ans 1. 4825 cm^3
 2. 4851 cm^3
 3. 5000 cm^3
 4. 4800 cm^3

Q.18 If the speed of a boat in still water is 3 km/h and if its speed upstream is 1 km/h, find the speed of the stream.

- Ans 1. 0.25 km/h
 2. 1 km/h
 3. 2 km/h
 4. 0.5 km/h

Q.19 The following graph shows the wheat imports (in thousand tonnes) over the five years:



What is the ratio of the years which have below-average imports to those which have above-average imports?

- Ans 1. 3 : 2
 2. 3 : 1
 3. 2 : 3
 4. 1 : 3

Q.20 If $640 \div 8 + 930 \div 15 - k + 32 \times 5 = 1104 \div 16 \times 148 \div 37$, then the value of k is:

- Ans
- 1. 276
 - 2. 26
 - 3. 35
 - 4. 302

Q.21 A shopkeeper sold an article at a 26% profit. On selling it for ₹2,250 more, he would get a profit of 41%. If this article is sold at 12% profit, then the selling price would be:

- Ans
- 1. ₹16,120
 - 2. ₹15,000
 - 3. ₹16,800
 - 4. ₹15,800

Q.22 There are two circles touching each other externally. The radius of the first circle with centre O is 12 cm. The radius of the second circle with centre A is 5 cm. Find the length of their common tangent touching the two circles at points P and Q.

- Ans
- 1. $5\sqrt{41}$ cm
 - 2. $14\sqrt{5}$ cm
 - 3. $4\sqrt{15}$ cm
 - 4. $5\sqrt{14}$ cm

Q.23 Let C be a circle with center O and PQ be the diameter of C. Let AB be a chord on C. If $\angle QOB = 40^\circ$, $\angle AOP = 80^\circ$, then find $\angle AOB$.

- Ans
- 1. 70°
 - 2. 90°
 - 3. 100°
 - 4. 60°

Q.24 Teena does half of a task in 6 days. Later, with Shyam's help, she completes the remaining work in 4 days. Shyam alone can finish the entire work in:

- Ans
- 1. 12 days
 - 2. 18 days
 - 3. 21 days
 - 4. 24 days

Q.25 $\triangle ABC$ and $\triangle DEF$ are similar triangles, and their areas are 81 cm^2 and 144 cm^2 , respectively. If $EF = 20 \text{ cm}$, then what is the value of BC ?

- Ans
- 1. 9 cm
 - 2. 15 cm
 - 3. 13 cm
 - 4. 12 cm

Q.1 Who was the Indian Buddhist monk who is credited with the development of many ancient martial art forms in the 5th century?

- Ans 1. Bodhidharma
 2. Paramartha
 3. Atisa
 4. Bodhiruchi

Q.2 Which of the following statements is INCORRECT with respect to High Yielding Varieties (HYVs)?

- Ans 1. They made green revolution technology as land-saving technology.
 2. The usage of HYVs was complemented with the attraction of more investment in farm machines.
 3. HYVs led to decrease in the cropping intensity.
 4. HYVs had a shorter period of maturity.

Q.3 What is the name of the famous British social reformer known for founding the Indian Home Rule League in 1916?

- Ans 1. Anne Knight
 2. Maria Rye
 3. Catherine Osler
 4. Annie Besant

Q.4 What is the keyboard shortcut for inserting a new slide into an MS-PowerPoint presentation?

- Ans 1. Ctrl + N
 2. Ctrl + S
 3. Ctrl + M
 4. Ctrl + X

Q.5 Which of the following Sections of the Indian Penal Code deals with 'rape'?

- Ans 1. Section 370
 2. Section 375
 3. Section 380
 4. Section 385

Q.6 Which writ literally means 'what is your authority'?

- Ans 1. Quo-Warranto
 2. Prohibition
 3. Habeas Corpus
 4. Mandamus

Q.7 Match India's neighbouring countries in column A with their official languages in column B.

Column A (Country names)	Column B (Official Languages)
1. Sri Lanka	a. Mandarin
2. China	b. Burmese
3. Myanmar	c. Tamil
4. Bhutan	d. Dzongkha

- Ans**
- 1. 1-d, 2-a, 3-b, 4-c
 - 2. 1-b, 2-a, 3-c, 4-d
 - 3. 1-a, 2-b, 3-c, 4-d
 - 4. 1-c, 2-a, 3-b, 4-d

Q.8 The Lucknow Gharana which came into existence in the time of Wajid Ali Shah was developed by who among the following?

- Ans**
- 1. Ustad Bakhtawar Khan
 - 2. Pandit Kalka Prasad
 - 3. Pandit Thakur Prasad
 - 4. Pandit Bindawar Prasad

Q.9 From which of the following states was Vibrant Village programme launched, on 10 April 2023?

- Ans**
- 1. Arunachal Pradesh
 - 2. Sikkim
 - 3. Nagaland
 - 4. Mizoram

Q.10 As of 2022, which is the tallest hydroelectric power plant in India?

- Ans**
- 1. Sardar Sarovar Hydropower Plant
 - 2. Koyna Hydroelectric Power Plant
 - 3. Tehri Hydroelectric Power Plant
 - 4. Nathpa Jhakri Power plant

Q.11 Which folk music does NOT belong to Tamil Nadu?

- Ans**
- 1. Ammanaivari
 - 2. Khubakeshei
 - 3. Villu Pattu
 - 4. Nattupura

Q.12 For which of the following discoveries in 1827 was the German physicist, Georg Simon Ohm best known?

- Ans**
- 1. For invention of the magnetometer, which is a device capable of measuring the direction and strength of a magnetic field
 - 2. For clarifying the mathematical relationship between electrical current, resistance and voltage
 - 3. For measuring the magnetic properties of nuclear particles
 - 4. For developing a device capable of amplifying and modulating electromagnetic signals that could also function as an oscillator

Q.13 In Microsoft Word, the Mail Merge Wizard is located under the _____ tab.

- Ans
- 1. Review
 - 2. Home
 - 3. Mailings
 - 4. Insert

Q.14 In badminton, 0 points is called _____.

- Ans
- 1. out
 - 2. love
 - 3. in
 - 4. play

Q.15 Who was the chief guest at the first Republic Day celebration of India in 1950?

- Ans
- 1. Gamal Abdel Nasser
 - 2. Kwame Nkrumah
 - 3. Josip Broz Tito
 - 4. Sukarno

Q.16 What is a revenue deficit in the government budget?

- Ans
- 1. The excess of expenditure over revenue, excluding interest payments on debt
 - 2. The excess of expenditure over revenue, including interest payments on debt
 - 3. The excess of revenue over expenditure, excluding interest payments on debt
 - 4. The excess of revenue over expenditure, including interest payments on debt

Q.17 Which of the following types is NOT an element of classical Carnatic music?

- Ans
- 1. Sthayi
 - 2. Kritis
 - 3. Padam
 - 4. Thumri

Q.18 The Sun Temple at Konark was built under the rule of which dynasty?

- Ans
- 1. Pandya Dynasty
 - 2. Pallava Dynasty
 - 3. Rashtrakuta Dynasty
 - 4. Eastern Ganga Dynasty

Q.19 Which Article of the Constitution of India vests plenary powers in Parliament to legislate on the subject of citizenship?

- Ans
- 1. Article 6
 - 2. Article 5
 - 3. Article 11
 - 4. Article 8

Q.20 In Fencing, a defensive blade movement that blocks the opponent's offensive action is called _____.

- Ans**
- 1. reprise
 - 2. saber
 - 3. redoublement
 - 4. parry

Q.21 Select the INCORRECT pair of the location of the refinery and its state from the following

- Ans**
- 1. Bina Refinery – Madhya Pradesh
 - 2. Numaligarh Refinery – Assam
 - 3. Koyali Refinery – Gujarat
 - 4. Tatipaka Refinery – Telangana

Q.22 The _____ results from an increase in the proportion of workers relative to non-workers in the population.

- Ans**
- 1. age structure of population
 - 2. population momentum
 - 3. old-age dependency ratio
 - 4. demographic dividend

Q.23 In which of the following years was the Juvenile Justice (Care and Protection of Children) Act, 2015 amended?

- Ans**
- 1. 2013
 - 2. 2015
 - 3. 2019
 - 4. 2021

Q.24 Which of the following is a rare group of genetic disorders caused by mutations of certain genes affecting the colour (pigmentation) of the skin, hair and eyes?

- Ans**
- 1. Albinism
 - 2. Alagille syndrome
 - 3. Alkaptonuria
 - 4. Angelman syndrome

Q.25 Which of the following planets does NOT have rings?

- Ans**
- 1. Uranus
 - 2. Saturn
 - 3. Venus
 - 4. Jupiter

Combined Higher Secondary Level Examination 2024 Tier I

Venue Name	iON Digital Zone iDZ Trinity 2
Exam Date	11/07/2024
Exam Time	5:15 PM - 6:15 PM
Subject	CHSL Exam 2024 Tier I

Q.1 The following sentence has been divided into four segments. Identify the segment that contains a grammatical error.

The new / secretary / does not likes / me.

- Ans
- 1. me.
 - 2. The new
 - 3. secretary
 - 4. does not likes

Q.2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The manager asked / the cooking team, "Who / among you is to baked the / Christmas cake this year?"

- Ans
- 1. The manager asked
 - 2. Christmas cake this year?"
 - 3. among you is to baked the
 - 4. the cooking team, "Who

Q.3 Select the grammatically INCORRECT sentence.

- Ans
- 1. They often meet each other.
 - 2. They always meet each other.
 - 3. They quite meet each other.
 - 4. They hardly meet each other.

Q.4 Parts of the following sentence have been given as options. Select the option that contains an error.

Geeta was working now but she can be seen swimming in the river every evening.

- Ans
- 1. but she can be seen
 - 2. river every evening.
 - 3. swimming in the
 - 4. Geeta was working now

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Teachers 1_____ given continuous opportunities for self-improvement and to learn the latest innovations and advances in their professions. Each teacher 2_____ expected to participate in at least 50 hours of CPD opportunities every year for their own professional development, driven 3_____ their own interests. CPD opportunities will, in particular, 4_____ cover the latest pedagogies regarding foundational literacy and numeracy, formative and adaptive assessment of learning outcomes, competency-based learning and related pedagogies, 5_____ experiential learning, arts-integrated, sports-integrated and storytelling-based approaches, etc.

SubQuestion No : 5

Q.5 Select the most appropriate option to fill in blank number 1.

- Ans** 1. will be
 2. would be
 3. can be
 4. shall be

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Teachers 1_____ given continuous opportunities for self-improvement and to learn the latest innovations and advances in their professions. Each teacher 2_____ expected to participate in at least 50 hours of CPD opportunities every year for their own professional development, driven 3_____ their own interests. CPD opportunities will, in particular, 4_____ cover the latest pedagogies regarding foundational literacy and numeracy, formative and adaptive assessment of learning outcomes, competency-based learning and related pedagogies, 5_____ experiential learning, arts-integrated, sports-integrated and storytelling-based approaches, etc.

SubQuestion No : 6

Q.6 Select the most appropriate option to fill in blank number 2.

- Ans** 1. would be
 2. can be
 3. shall be
 4. will be

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Teachers 1_____ given continuous opportunities for self-improvement and to learn the latest innovations and advances in their professions. Each teacher 2_____ expected to participate in at least 50 hours of CPD opportunities every year for their own professional development, driven 3_____ their own interests. CPD opportunities will, in particular, 4_____ cover the latest pedagogies regarding foundational literacy and numeracy, formative and adaptive assessment of learning outcomes, competency-based learning and related pedagogies, 5_____ experiential learning, arts-integrated, sports-integrated and storytelling-based approaches, etc.

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank number 3.

- Ans** 1. at
 2. for
 3. from
 4. by

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Teachers 1_____ given continuous opportunities for self-improvement and to learn the latest innovations and advances in their professions. Each teacher 2_____ expected to participate in at least 50 hours of CPD opportunities every year for their own professional development, driven 3_____ their own interests. CPD opportunities will, in particular, 4_____ cover the latest pedagogies regarding foundational literacy and numeracy, formative and adaptive assessment of learning outcomes, competency-based learning and related pedagogies, 5_____ experiential learning, arts-integrated, sports-integrated and storytelling-based approaches, etc.

SubQuestion No : 8

Q.8 Select the most appropriate option to fill in blank number 4.

Ans 1. systematically

2. roughly

3. partially

4. carelessly

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Teachers 1_____ given continuous opportunities for self-improvement and to learn the latest innovations and advances in their professions. Each teacher 2_____ expected to participate in at least 50 hours of CPD opportunities every year for their own professional development, driven 3_____ their own interests. CPD opportunities will, in particular, 4_____ cover the latest pedagogies regarding foundational literacy and numeracy, formative and adaptive assessment of learning outcomes, competency-based learning and related pedagogies, 5_____ experiential learning, arts-integrated, sports-integrated and storytelling-based approaches, etc.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number 5.

Ans 1. for as

2. same as

3. such as

4. from as

Q.10 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Well, I prefer eating at home from eating out.

Ans 1. while eating out

2. and eating out

3. than eating out

4. to eating out

Q.11 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I opened the box beneath the table and took of a book, the Materia Medica.

Ans 1. No substitution required

2. take off

3. took in

4. took out

Q.12 Choose the option that best describes the meaning of the idioms and phrases underlined in the given sentence.

A jack of all trades cannot survive in the world of specialisation.

- Ans
- 1. A businessman
 - 2. An expert of many jobs
 - 3. A person who can do many things but is not an expert in any
 - 4. A good communicator

Q.13 Rectify the sentence by selecting the correct spelling from the options.

The advertisement of vacancies in education sector has received huge response.

- Ans
- 1. Vecencies
 - 2. Vacansies
 - 3. Vecancies
 - 4. Vacancies

Q.14 Select the most appropriate synonym of the given word.

Candid

- Ans
- 1. Honest
 - 2. Cruel
 - 3. Bright
 - 4. Top

Q.15 Select the most appropriate ANTONYM of the underlined word.

The waters of Germany are abundant in fish, but there are few genera and species in them.

- Ans
- 1. flourish
 - 2. allay
 - 3. deficient
 - 4. discord

Q.16 Based on the situation in the sentence, select the most appropriate idiom.

After many years of rivalry, the two schools decided to _____ and participate in a National Event together.

- Ans
- 1. be in the doldrums
 - 2. go cold turkey
 - 3. bury the hatchet
 - 4. bell the cat

Q.17 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Do not later about the street.

- Ans
- 1. latter about
 - 2. loiter around
 - 3. litter about
 - 4. litre about

Q.18 Select the most appropriate option to fill in the blank.

The artist received a _____ from the audience.

- Ans
- 1. bunch of applause
 - 2. plenty of applause
 - 3. handful of applause
 - 4. round of applause

Q.19 Select the most appropriate ANTONYM of the given word.

Compulsory

- Ans
- 1. Optional
 - 2. Full-fledged
 - 3. Factional
 - 4. Reliable

Q.20 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The athlete looked unsettled before the race.

- Ans
- 1. Tangent
 - 2. Confident
 - 3. Triumphant
 - 4. Reticent

Q.21 Select the most appropriate option that can substitute the underlined word in the given sentence.

The experienced surgeon handled the delicate procedure with care and precision.

- Ans
- 1. unskilled
 - 2. amateur
 - 3. seasoned
 - 4. untrained

Q.22 Select the most appropriate ANTONYM for the given word.

Ghastly

- Ans
- 1. Pleasant
 - 2. Relaxing
 - 3. Agitated
 - 4. Bitter

Q.23 Parts of the following sentence have been given as options. Select the option that contains a spelling error.

I was alarmed lest we should be wrecked.

- Ans
- 1. alarmed lest
 - 2. I was
 - 3. be wrecked.
 - 4. we should

Q.24 Select the most appropriate synonym of the given word.

Revolution

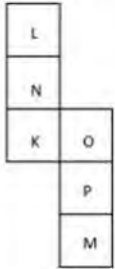
- Ans 1. Harmony
 2. Order
 3. Gyration
 4. Stagnation

Q.25 Select the most appropriate ANTONYM of the underlined word in the following sentence.

I have left it to his discretion to accept or decline my offer.

- Ans 1. Wisdom
 2. Judgement
 3. Calculation
 4. Inattention

Q.1 What would be the letter on the opposite side of 'P' if the given sheet is folded to form a cube?



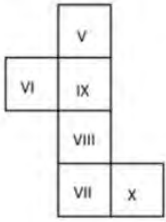
- Ans 1. L
 2. N
 3. M
 4. K

Q.2 Which of the following numbers will replace the question mark (?) in the given series?

$[\frac{5}{9}]$, $[\frac{14}{9}]$, $[\frac{23}{9}]$, $[\frac{32}{9}]$, $[\frac{41}{9}]$, ?

- Ans 1. $[\frac{47}{9}]$
 2. $[\frac{50}{9}]$
 3. $[\frac{51}{9}]$
 4. $[\frac{44}{9}]$

Q.3 What would be the Roman numeral on the opposite side of 'V' if the given sheet is folded to form a cube?



- Ans
- 1. VIII
 - 2. VI
 - 3. X
 - 4. VII

Q.4 In a certain language, 'protect your health' is written as 'Df Bk Tu' and 'health is wealth' is written as 'Po Tu Le'. How is 'health' written in the given language?

- Ans
- 1. Po
 - 2. Tu
 - 3. Df
 - 4. Bk

Q.5 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(4, 8, 32)
(7, 14, 56)

- Ans
- 1. (11, 33, 77)
 - 2. (11, 33, 88)
 - 3. (11, 22, 88)
 - 4. (11, 22, 77)

Q.6 Identify the figure given in the options that when put in place of the question mark (?) will logically complete the series.

	O		T		L		B	
B	L	T	4	B	L	C	4	B ↑ C 4
4			C			↑		D
								?

Ans

✓ 1.

			4
D	↑	C	
8			

✗ 2.

			4
D	8	B	
↑			

✗ 3.

			4
D	↑	C	
B			

✗ 4.

			4
D	↑	B	
8			

Q.7 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$125 \div 5 + 19 - 190 \times 19 = ?$$

Ans ✓ 1. 616

✗ 2. 636

✗ 3. 606

✗ 4. 626

Q.8 In a certain code language, 'mix jaggery well' is written as 'rb co ot' and 'well done boss' is written as 'cx rb op'. How is 'well' written in the given language?

Ans ✗ 1. co

✗ 2. cx

✓ 3. rb

✗ 4. ot

Q.9 What should come in place of the question mark (?) in the given series?

86, 88, 90, 92, 94, ?

Ans 1. 96

2. 97

3. 98

4. 99

Q.10 In a certain code language,
A % B means 'A is the mother of B'
A # B means 'A is the brother of B'
A @ B means 'A is the wife of B'
A & B means 'A is the father of B'

Based on the above, how is P related to T if 'P & Q % R # S @ T'?

Ans 1. Wife's father

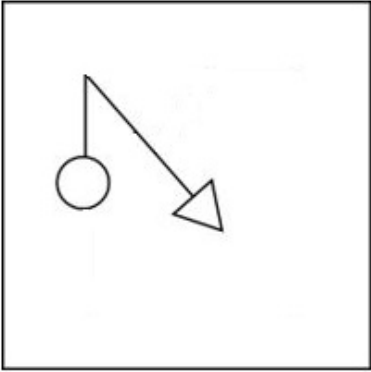
2. Wife's mother's father

3. Wife's mother's brother

4. Wife's brother

KD JOB UPDATES

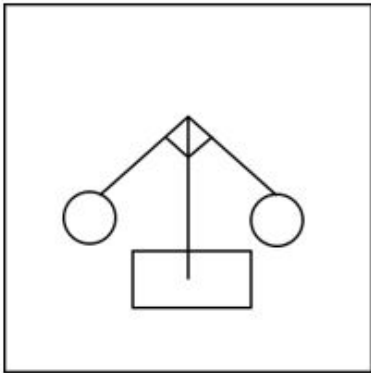
Q.11 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



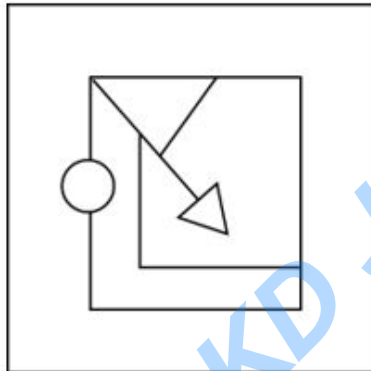
(X)

Ans

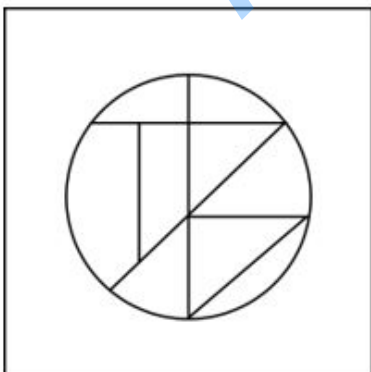
1.

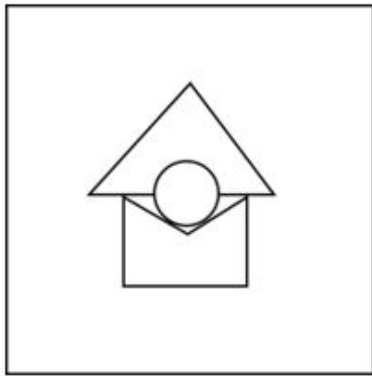


2.



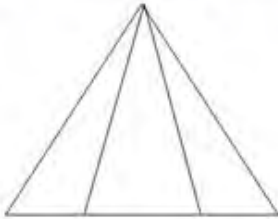
3.





4.

Q.12 Find the number of triangles in the given figure.



- Ans
- 1. 5
 - 2. 8
 - 3. 6
 - 4. 4

Q.13 What should come in place of ? in the given series based on the English alphabetical order?

QRS MXB IDK EJT ?

- Ans
- 1. AAC
 - 2. APC
 - 3. CPA
 - 4. PCA

Q.14 In this question, three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

No rose is an orchid.

All roses are lilies.

All lilies are lotuses.

Conclusions:

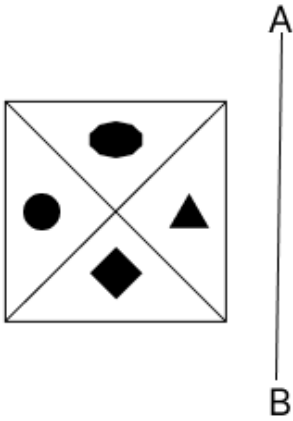
I. Some lilies are orchids.

II. Some lotuses are orchids.

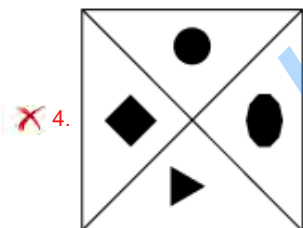
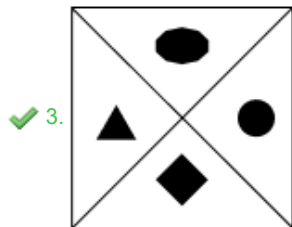
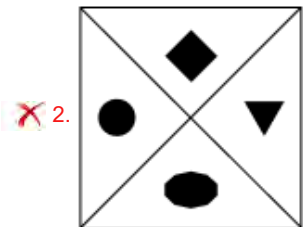
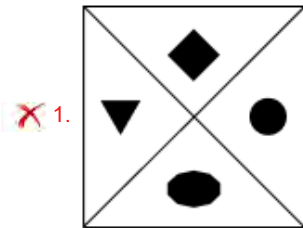
III. All lilies are orchids.

- Ans
- 1. Both conclusions I and II follow.
 - 2. Both conclusions II and III follow.
 - 3. Neither conclusions I, II nor III follows.
 - 4. Both conclusions I and III follow.

Q.15 Select the correct mirror image of the given figure when the mirror is placed at AB as shown below.



Ans



Q.16 IJLO is related to GHJM in a certain way based on the English alphabetical order. In the same way, HIKN is related to FGIL. To which of the following is EFHK related, following the same logic?

Ans 1. CDFI

2. CEFI

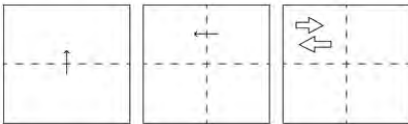
3. CDEF

4. CEDI

Q.17 Three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

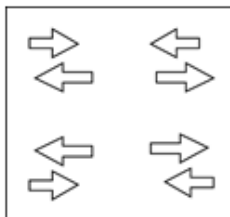
- Ans
- 1. JMN
 - 2. UXY
 - 3. DGH
 - 4. ORT

Q.18 A square sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

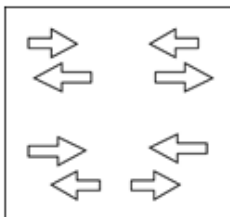


Ans

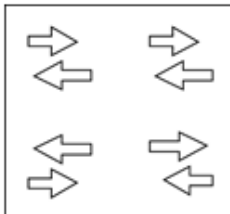
1.



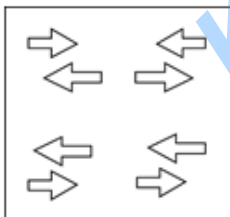
2.



3.



4.



Q.19 78 is related to 30 following a certain logic. Following the same logic, 67 is related to 26.

To which of the following is 54 related, following the same logic?

- Ans
- 1. 20
 - 2. 28
 - 3. 18
 - 4. 16

Q.20 Which of the following letter-clusters can replace the question mark (?) in the given series to make it logically complete?

JMD, OHJ, ?, YXV, DSB

- Ans
- 1. TCP
 - 2. RST
 - 3. VCP
 - 4. AOZ

Q.21 CYRF is related to NICQ in a certain way based on the English alphabetical order. In the same way, GBUM is related to RMFX. To which of the following is CZKP related, following the same logic?

- Ans
- 1. NKVA
 - 2. NAKV
 - 3. NAVK
 - 4. NKA V

Q.22 Each of the letters in the word FRANCHISE are arranged from left to right in alphabetical order to form a new word. How many letters are there in the English alphabetical series between the alphabet which is fifth from the left and the one which is third from the right in the newly formed word?

- Ans
- 1. Seven
 - 2. Six
 - 3. Five
 - 4. Four

Q.23 If 25 August 2006 was Friday, then what was the day of the week on 25 August 2018?

- Ans
- 1. Saturday
 - 2. Wednesday
 - 3. Sunday
 - 4. Thursday

Q.24 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$87 \div 3 + 35 - 88 \times 11 = ?$$

- Ans
- 1. 234
 - 2. 232
 - 3. 233
 - 4. 231

Q.25 If 'A' stands for '+', 'B' stands for '×', 'C' stands for '÷' and 'D' stands for '-', then the resultant of which of the following will be 421?

- Ans
- 1. 63 B 7 D 125 A 5 C 5
 - 2. 63 A 7 D 125 B 5 C 5
 - 3. 63 C 7 D 125 A 5 B 5
 - 4. 63 B 7 A 125 D 5 C 5

Q.1 The average of 50 numbers is 23. If each number is multiplied by 13, then the new average is:

- Ans 1. 88
 2. 299
 3. 650
 4. 219

Q.2 In $\triangle ABC$, D and E are points on sides AB and AC, such that $DE \parallel BC$. If $AD = x, DB = x - 3, AE = x + 3$ and $EC = x - 2$, then the value of x is:

- Ans 1. 5.2
 2. 4.2
 3. 4.0
 4. 4.5

Q.3 My father is presently 25 years older than me. The sum of our ages 5 years ago was 39 years. Find my present age.

- Ans 1. 12 years
 2. 20 years
 3. 15 years
 4. 13 years

Q.4 What is the area (in square units) of the sector if the radius of the circle is given to be 24 units and the arc length is 7.5 units?

- Ans 1. 135
 2. 180
 3. 90
 4. 45

Q.5 If L is the mid-point of side BC of $\triangle ABC$ and the area of $\triangle ABL$ is 15 cm^2 , then the area (in sq cm) of $\triangle ABC$ is:

- Ans 1. 32
 2. 27
 3. 30
 4. 25

Q.6 If $\frac{15}{8} + \left[\left\{ \frac{4}{15} \text{ of } \frac{5}{12} \div \left(1 \frac{1}{15} \right) \right\} \times 1 \frac{7}{12} \right]$ is expressed in the form of $\frac{a}{b}$ where a and b are integers and relatively prime to each other, the value $4b - a$ is:

- Ans 1. 164
 2. 313
 3. 189
 4. 225

Q.7 In an obtuse-angled triangle ABC, the length of its longest side AB is 50 cm and one of the other two sides is 42 cm. If the area of the triangle is 294 cm^2 , what is the length (in cm) of its third side?

- Ans
- 1. $12\sqrt{43}$
 - 2. $8\sqrt{35}$
 - 3. $15\sqrt{21}$
 - 4. $2\sqrt{58}$

Q.8 X, Y and Z can do a work in 24 days, 5 days and 12 days, respectively. In how many days can they do the same work if they work together?

- Ans
- 1. $\frac{1}{24}$ days
 - 2. $3\frac{1}{13}$ days
 - 3. 4 days
 - 4. $\frac{7}{24}$ days

Q.9 Refer to the bar graph below and answer the question that follows.



What is the difference between the number of students enrolled in Institute A in 2015 and 2017 and that in Institute B in 2016, 2018 and 2019?

- Ans
- 1. 40
 - 2. 100
 - 3. 75
 - 4. 150

Q.10 If $\tan A + \sin A = x$, $\tan A - \sin A = y$, what is the value of $x^2 - y^2$?

Ans 1. $4\sqrt{xy}$

2. $2\sqrt{\frac{x}{y}}$

3. \sqrt{xy}

4. $4\sqrt{\frac{x}{y}}$

Q.11 An election was held between two candidates. The winning candidate scored 54% of the valid votes and won by 88 votes. If 58 votes were declared invalid, then find the total number of votes polled in the election.

Ans 1. 2000

2. 1156

3. 1158

4. 1850

Q.12 The volume of rectangular block is 12288 m^3 . Its dimension are in the ratio of 4 : 3 : 2. If the entire surface is polished at the rate 2 paise per m^2 , then find the total cost of polishing

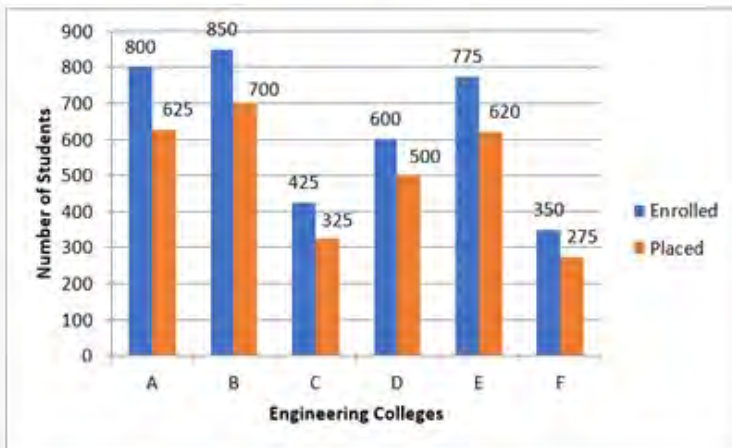
Ans 1. ₹44.42

2. ₹11.14

3. ₹66.56

4. ₹33.28

Q.13 The following bar graph represents the total number of students enrolled and the number of students who got campus placement in six different engineering colleges A, B, C, D, E, and F. Study the graph carefully and answer the question given below:



What per cent (correct up to two decimal places) of total enrolled students have got campus placements in colleges A, C, and F?

- Ans
- 1. 82.78%
 - 2. 86.67%
 - 3. 77.78%
 - 4. 79.67%

Q.14 The number 611611611611 is:
 (a) divisible by both 6 and 11
 (b) neither divisible by 6 nor by 11
 (c) divisible by 6 only
 (d) divisible by 11 only

- Ans
- 1. (b)
 - 2. (d)
 - 3. (a)
 - 4. (c)

Q.15 A right angled triangle of area 600 m^2 is to be made such that the hypotenuse is double the base. For the triangle, the hypotenuse is _____ more than the base.

- Ans
- 1. 26.32 m
 - 2. 22.32 m
 - 3. 24.36 m
 - 4. 20.36 m

Q.16 How much simple interest will ₹5,000 earn in 14 months at a 12% interest rate per annum?

- Ans
- 1. ₹800
 - 2. ₹600
 - 3. ₹500
 - 4. ₹700

Q.17 The following table gives the percentage of marks obtained by seven students in six different subjects in an examination.

The numbers in the brackets give the maximum marks in each subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tanvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

How many students secured a raw score of 135 in Maths?

- Ans
- 1. 3
 - 2. 1
 - 3. 0
 - 4. 2

Q.18 The marked price of a table lamp is ₹2,165. During the festive season, it is sold for ₹1,710.35. Find the percentage discount offered.

- Ans
- 1. 21%
 - 2. 22.5%
 - 3. 20.5%
 - 4. 18%

Q.19 The given chart represents the sales of automobiles in India (by type, in million units) from the year 2011 to 2014. Study the chart and answer the question that follows.



The percentage increase in the sales in 2013 over the previous year was the maximum for which of the categories of vehicles?

- Ans
- 1. Two wheelers and Passenger vehicles
 - 2. Commercial vehicles
 - 3. Two wheelers
 - 4. Passenger vehicles

Q.20 The salary of employees in a factory was reduced by 20% due to economic crisis. In order to have their salary back to original amount, it must be raised by:

- Ans
- 1. 12.5%
 - 2. 25%
 - 3. 40%
 - 4. 20%

Q.21 If the price of a commodity is increased by 36%, by what percentage (rounded off to 1 decimal place) should its consumption be decreased so that the expenditure of the commodity stays the same?

- Ans
- 1. 29.5%
 - 2. 26.5%
 - 3. 36%
 - 4. 32%

Q.22 Tom travelled 285 km in 6 hours. In his total travelling, he travelled the first part by bus at 40 km/hr and the remaining part by train at 55 km/hr. How much distance has he travelled by train?

- Ans
- 1. 155 km
 - 2. 120 km
 - 3. 135 km
 - 4. 165 km

Q.23 A cylindrical candle, 14 cm in diameter and length 2 cm is melted to form a cuboid candle of dimensions 7 cm × 11 cm × 2 cm. How many cuboidal candles can be obtained?

- Ans
- 1. 2
 - 2. 5
 - 3. 4
 - 4. 3

Q.24 What should be added to each term of the ratio 5 : 11 so that the ratio becomes 3 : 5?

- Ans
- 1. 5
 - 2. 4
 - 3. 2
 - 4. 6

Q.25 If 10% of 24% of x is 240, then x = ?

- Ans
- 1. 100
 - 2. 100000
 - 3. 10000
 - 4. 1000

Q.1 In which of the following liquids would anthracene dissolve easily?

- Ans**
- 1. Methane
 - 2. Water
 - 3. Benzene
 - 4. Sodium chloride

Q.2 Which group of states was concentrated in the cotton production in the early years to develop textile industry?

- Ans**
- 1. West Bengal and Odisha
 - 2. Punjab and Haryana
 - 3. Maharashtra and Gujarat
 - 4. Bihar and West Bengal

Q.3 MLAs in which of the following states/UTs received an increase of about 66% in salaries and allowances w.e.f. 14 February 2023?

- Ans**
- 1. Tamil Nadu
 - 2. Bihar
 - 3. Delhi
 - 4. Lakshadweep

Q.4 Which of the following hills is located in the Eastern most part of India?

- Ans**
- 1. Jaintia Hills
 - 2. Khasi Hills
 - 3. Garo Hills
 - 4. Patkai Bum Hills

Q.5 Which of the following is the fastest way to open the Help window in Microsoft Word?

- Ans**
- 1. Click the Help button on the ribbon
 - 2. Click the Microsoft Office button and then, click Help
 - 3. Type 'help' in the search bar and then, press Enter
 - 4. Press F1

Q.6 With reference to 'Saila dance' consider the following statements and select the correct option.

- a) A group comprising of male performers.
- b) The dance is performed with bamboo sticks.
- c) It is performed after the cutting of crops.

- Ans**
- 1. a, b, c
 - 2. Both b and c
 - 3. Both a and c
 - 4. Both a and b

Q.7 Which British colonel is remembered as the Butcher of Amritsar for his role in the Jallianwala Bagh massacre in 1919?

- Ans
- 1. William Slim
 - 2. Robert Clive
 - 3. William Birdwood
 - 4. Reginald Dyer

Q.8 The 42nd Constitutional Amendment Act of Indian Constitution was passed in the year _____.

- Ans
- 1. 1979
 - 2. 1976
 - 3. 1978
 - 4. 1977

Q.9 The Press and Registration of Books (PRB) Act was enacted in which year?

- Ans
- 1. 1857
 - 2. 1877
 - 3. 1887
 - 4. 1867

Q.10 Who among the following is NOT associated with the Green Revolution?

- Ans
- 1. Norman Borlaug
 - 2. P Chidambaram
 - 3. Chidambaram Subramaniam
 - 4. MS Swaminathan

Q.11 According to the Census of India 2011, which of the following states has the largest Buddhist population?

- Ans
- 1. Madhya Pradesh
 - 2. Uttar Pradesh
 - 3. Maharashtra
 - 4. West Bengal

Q.12 In March 2023, the Uttarakhand government had approved how much horizontal reservation for statehood activists in state government jobs?

- Ans
- 1. 15%
 - 2. 5%
 - 3. 8%
 - 4. 10%

Q.13 Who amongst the following Delhi Sultanate rulers sent his army under Malik Kafur's command to conquer South India?

- Ans
- 1. Iltutmish
 - 2. Ghiyas-ud-din Balban
 - 3. Alauddin Khilji
 - 4. Qutub-al-din Aibak

Q.14 Who was the first person to conduct a systematic study of chromosomes during division and called this process mitosis?

- Ans
- 1. Thomas Hunt Morgan
 - 2. Antonie van Leeuwenhoek
 - 3. Walther Flemming
 - 4. Friedrich Miescher

Q.15 Every year in the month of February, this camel festival is organised by Rajasthan Tourism Development Corporation in _____.

- Ans
- 1. Jaisalmer
 - 2. Jodhpur
 - 3. Bikaner
 - 4. Barmer

Q.16 From which book is the national song of India compiled?

- Ans
- 1. Anand Math
 - 2. Bharat Bharti
 - 3. Katha Upanishad
 - 4. Mandukya Upanishad

Q.17 The original constitution did NOT mention any fundamental duty because:

- Ans
- 1. initially fundamental duties were not expected to be performed
 - 2. initially fundamental duties were punishable as per the constitution
 - 3. it was expected that the citizens of the country would perform their duties willingly
 - 4. it was expected that the citizens of the country would perform their duties forcefully

Q.18 Which function is used to calculate the maximum value in a selected column in MS Excel?

- Ans
- 1. Auto max
 - 2. Max
 - 3. Auto high
 - 4. High

Q.19 Who among the following is related to Hindustani classical singing?

- Ans
- 1. Srinavasa Iyer
 - 2. Aruna Sairam
 - 3. Ramanuj Iyengar
 - 4. Mallikarjun Mansur

Q.20 In cricket, a fast, head-high delivery of the ball is referred to as _____.

- Ans
- 1. bouncer
 - 2. duck
 - 3. leg-bye
 - 4. grubber

Q.21 Which of the following measures can be adopted by the government to reduce revenue deficit?

- Ans**
- 1. Tax reforms
 - 2. Increasing subsidies
 - 3. Offering freebies
 - 4. Increasing money supply

Q.22 In Equestrian sports, _____ occurs when a horse or rider lowers an element of a jump that establishes the height of an obstacle.

- Ans**
- 1. knockdown
 - 2. canter
 - 3. clean round
 - 4. curb

Q.23 According to Census 2011, which union territory recorded the highest female literacy rate in India?

- Ans**
- 1. Puducherry
 - 2. Chandigarh
 - 3. Delhi
 - 4. Lakshadweep

Q.24 Who captained India to victory in the 2011 Cricket World Cup final win over Sri Lanka?

- Ans**
- 1. Sachin Tendulkar
 - 2. Mahendra Singh Dhoni
 - 3. Sourav Ganguly
 - 4. Rahul Dravid

Q.25 Which star is also known as the 'Pole Star'?

- Ans**
- 1. The East star
 - 2. The South star
 - 3. The West star
 - 4. The North star