## Combined Higher Secondary Level Examination Tier I 2022

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | 21/03/2023 |
| Exam Time | 9:00 AM - 10:00 AM |
| Subject | CHSL Exam 2022 Tier I |

Section: English Language
Q. 1 Select the most appropriate meaning of the given idiom.

Be my guest
Ans

1. Please do it
2. Stop, don't go ahead
3. Be with me
4. Come with me
Q. 2 Identify the segment in the sentence which contains a grammatical error. If there is no error, then select the option "No error".
And, indeed, there was/ hardly picture in Rome I was unable/ to reattribute to its rightful owner.
Ans
5. to reattribute to its rightful owner.
6. No error
7. And, indeed, there was
8. hardly picture in Rome I was unable
Q. 3 Choose the option that is the correct indirect form of the sentence. She said, "I will be available tomorrow."
Ans
9. She said that she would be available tomorrow.
10. She said that she would be available the next day.
11. She said that she must be available the next day.
12. She said that she will be available the next day.
Q. 4 Choose the word that can substitute the given group of words. Belonging to the same kind
Ans
13. Sebaceous
14. Heterogeneous
15. Homogeneous
16. Casserole

## Q. 5 Select the word that is closest in meaning (SYNONYM) to the word given below.

 BOGUSAns
X 1. HUMANE
X 2. STRONG

- 3. FALSE

X 4. CRITICIZE
Q. 6 Choose the correctly spelt word.

Ans
$X$ 1. HEIRARCHY
X 2. APPAULLING
X 3. PESTILLENTIAL
4. MALODOROUS
Q. 7 Select the most appropriate one-word substitution for the given group of words. A person who is experiencing dementia brought about by old age
Ans

1. Senile
2. Sentinel
3. Primal
4. Primitive
Q. 8 Select the word that is opposite in meaning (ANTONYM) to the word given below Polarize
Ans
5. Combine
6. Orchestrate
7. Conjoin
8. Segregate
Q. 9 Choose the incorrectly spelt word.

Ans $\times 1$. SUPPORT
2. TUNNEL
3. RAPPORT
4. TREBBLE
Q. 10 Select the most appropriate one-word substitution for the given group of words. Dependent on chance or uncertainty

Ans

1. Precarious
2. Paradox
$\times$ 3. Presume
X 4. Presumptuous
Q. 11 Rearrange the parts of the sentence in correct order. Our study goes
P. beyond LDL cholesterol levels to get
$Q$. and the impact of eating walnuts daily
R. a complete picture of all of the lipoproteins
S. on their potential to improve cardiovascular risk

Ans
X 1. SRPQ
X 2. PQSR
3. PRQS
$\times 4$. SPQR
Q. 12 Select the most appropriate meaning of the given idiom.

Buy a lemon
Ans

1. To buy something that is of much less value.
< 2. To lose foundation
2. To work through the day and shop in the evening
$\chi$ 4. To give importance to little things
Q. 13 Select the option that will improve the bracketed part of the sentence. In case no improvement is needed, select 'No improvement'.
He spent many an hours playing the chess across the city.
Ans
3. No improvement
4. He have spent many an hours playing the chess across the
5. He had spent many an hours playing the chess across the
6. He spent many an hour playing the chess across the
Q. 14 Choose the word that is opposite in meaning to the given word. Desiccate

Ans
$\times 1$. Honour
X 2. Ascend

- 3. Hydrate

X 4. Venerate
Q. 15 Parts of the following sentence are given as options. Identify the part that contains a grammatical error. If there is no error, select 'No error'.
Such was the education / of the Spartans with regard to / one of the greatest of there kings.
Ans
X 1. No error
2. one of the greatest of there kings.
$X$ 3. Such was the education
4. of the Spartans with regard to
Q. 16 Choose the word that is opposite in meaning to the given word.

Sane
Ans

1. Paranoid
2. Reposeful
3. Stoical
4. Halcyon
Q. 17 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
His shoes were soaked from walk through the dew.
Ans
5. soaked from walking
6. soak from walking
7. No improvement
8. soaks from walk
Q. 18 Choose the option that is the correct passive form of the sentence.

We had eaten the cake.
Ans

1. The cake had been eaten by us.
2. The cake will be eaten by us.
3. The cake is eaten by us.
4. The cake was eaten by us.
Q. 19 Some parts of a few sentences have been jumbled up, and labelled A, B, C and D. Select the option that gives the correct sequence in which these parts can be rearranged to form a meaningful and grammatically correct sentence. I didn't speak to the sage again for many years,
A. seer, born on a dark island of a union between an ascetic and a fisher princess
B. because of the many hefty books, he'd written. Vyasa the
C. though I heard of him from time to time. I learned
D. his name: Vyasa the Compendious,

Ans

1. $A B C D$
2. DCAB
3. CDBA
4. BADC
Q. 20 Choose the word that can substitute the given group of words.

A leader who sways his followers by his oratory
Ans

- 1. Fugitive

2. Narcissist
3. Impostor
4. Demagogue

## 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.
I would uncover the story that lay (1) $\qquad$ between the lines of the men's exploits. Better still, I (2) $\qquad$ one of them tell it herself, with all her joys and doubts, her struggles and her triumphs, her heartbreaks, her achievements, the unique female way (3) $\qquad$ which she sees her world and her place in it. And who could be (4) $\qquad$ for this than Panchaali? It is her life, her voice, her questions, and her vision that I invite you (5) $\qquad$ 'The Palace of Illusions'.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in the blank No. 1.

Ans
X 1. visible
X 2. detectable
X 3. obvious
4. invisible

## 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.
I would uncover the story that lay (1) $\qquad$ between the lines of the men's exploits. Better still, I (2) $\qquad$ one of them tell it herself, with all her joys and doubts, her struggles and her triumphs, her heartbreaks, her achievements, the unique female way (3) $\qquad$ which she sees her world and her place in it. And who could be (4) ___ for this than Panchaali? It is her life, her voice, her questions, and her vision that I invite you (5) $\qquad$ 'The Palace of Illusions'.

SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in the blank No. 2.

Ans

1. would have
2. could
3. will
4. will have

## 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.
I would uncover the story that lay (1) $\qquad$ between the lines of the men's exploits. Better still, I (2) $\qquad$ one of them tell it herself, with all her joys and doubts, her struggles and her
triumphs, her heartbreaks, her achievements, the unique female way (3) $\qquad$ which she sees her world and her place in it. And who could be (4) $\qquad$ for this than Panchaali? It is her life, her voice, her questions, and her vision that I invite you (5) $\qquad$ 'The Palace of Illusions'.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in the blank No. 3.

Ans
X 1. though
$\times 2$. through
$X$ 3. by

- 4. in


## 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.
I would uncover the story that lay (1) $\qquad$ between the lines of the men's exploits. Better still, I (2) $\qquad$ one of them tell it herself, with all her joys and doubts, her struggles and her triumphs, her heartbreaks, her achievements, the unique female way (3) $\qquad$ which she sees her world and her place in it. And who could be (4) ___ for this than Panchaali? It is her life, her voice, her questions, and her vision that I invite you (5) $\qquad$ 'The Palace of Illusions'.

SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in the blank No. 4.

Ans

1. better suited

X 2. better performed
$X$ 3. better meant
$\times 4$. best matched

## 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.
I would uncover the story that lay (1) $\qquad$ between the lines of the men's exploits. Better still, I (2) $\qquad$ one of them tell it herself, with all her joys and doubts, her struggles and her triumphs, her heartbreaks, her achievements, the unique female way (3) which she sees her world and her place in it. And who could be (4) $\qquad$ for this than Panchaali? It is her life, her voice, her questions, and her vision that I invite you (5) $\qquad$ 'The Palace of Illusions'.

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in the blank No. 5.

Ans

1. into
$\times 2$. of
X 3. upon
$\times 4$. on to

## Section : General Intelligence

Q. 1 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

$\times 2$.


- 3. 


$\times 4$

Q. 2 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Fan : Blade :: Car : ?
Ans

1. Road
2. Steering
3. Vehicle
4. Four
Q. 3 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)
(7, 41, 211)

$$
(12,66,336)
$$

Ans
X 1. $(10,45,205)$
X 2. $(9,51,255)$
X $3 .(14,76,385)$

- 4. $(11,61,311)$
Q. 4 If ' $P$ ' means ' $\div$ ', ' $Q$ ' means ' + ', ' $R$ ' means ' - ' and ' $S$ ' means ' $x$ ', then what will come in place of '?' in the given expression?
34 P 17 S 9 ? 13 R 11 S 3 R 4 = -6
Ans

1. P
2. Q
3. R
4. S
Q. 5 A cube is made by folding the given sheet. In the cube so formed, which letter will be on the face opposite to the face showing ' $F$ '?


Ans
X1. G
X2. C
-3. M
X4. R
Q. 6 In the following question, select the odd word pair from the given alternatives.

Ans
X 1.6 - Hexagon
2. 5 - Rectangle

Х 3.3 - Triangle
4.4 - Square
Q. 7 Select the figure that will come next in the following figure series.


Ans

$\times 2$.

$\times 3$.

$\times 4$.

Q. 8 In a certain code language, 'DEER' is written as 'EGHV' and 'ROOM' is written as 'SQRQ'. How will 'SOAP' be written in that language?
Ans

1. TQCT

X 2. TQET

- 3. TQDT

4. TQDS
Q. 9 Anjali is the sister of Mukesh. Nikhil has two children and is the son-in-law of Archana. Anjali is the maternal granddaughter of Archana. Archana has only one child. How is Nikhil's wife related to Archana?

Ans

1. Daughter
2. Sister
3. Mother
4. Granddaughter
Q. 10 A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate
how it will appear when opened?


Ans
$\checkmark 1$.

$\times 2$

$\times 3$.

$\times 4$

Q. 11 In the following question, select the missing number from the given series 532, 667, 802, 937,?
Ans
$\times 1.1092$
2. 1094
3. 1072
-4. 1172
Q. 12 How many triangles are there in the given figure?


Ans

1. 16

X2. 18
X. 19
4. 17
Q. 13 Which one set of letters when sequentially placed in the gaps in the given letter series
shall complete it?

Ans

1. nonrho
2. honrno
3. hornnr
4. hoonor
Q. 14 'Bangladesh' is related to 'Taka' in the same way as 'Kuwait' is related to ' $\qquad$ '.
Ans
X 1. Euro
5. Sol
6. Dollar
7. Dinar
Q. 15 A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?


Ans

$\times 2$.

|  |
| :---: |
|  |  |
|  |  |

$\times 3$.

$\times 4$.

|  |
| :---: |
|  |  |
|  |  |

Q. 16 In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

## Statements:

I. All blankets are bedsheet.
II. No bedsheet is a curtain.

Conclusions:
I. Some bedsheet are blanket.
II. No curtain is a blanket.

Ans

1. Both conclusion I and II follow.
2. Only conclusion I follows.
3. Neither conclusion I nor II follow.
4. Only conclusion II follows.
Q. 17 By interchanging which two signs the given equation will be correct? $\mathbf{4 6}+\mathbf{2 8 \times 2 - 7 \div 1 3 = 4 1}$
Ans
$\times 1 . \times$ and +
5. $\div$ and -
6.     + and $\div$
7. $\div$ and $\times$
Q. 18 Select the option that is related to the fourth number in the same way as the first number is related to the second number and fifth number is related to sixth number.
54 : 162 :: ? : 216 :: 38 : 114
Ans
$\times 1.68$
-2. 94
8. 72
9. 74
Q. 19 In a certain code language, 'PAIN' is written as ' 20 ' and 'HER' is written as ' 11 '. How will 'TIER' be written in that code language?
Ans
X 1.34
$\times 2.42$
10. 32
< 4.52
Q. 20 Three of the following four letter clusters are alike in a certain way and one is different.

Pick the cluster that is different from the rest.
Ans
$\times 1$. NOS
2. GHM
3. BCG
4. JKO
Q. 21 Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.

1. Eyes
2. Lips
3. Stomach
4. Neck
5. Legs

Ans

1. $3,2,4,1,5$
2. $1,2,4,3,5$
3. $3,2,1,4,5$
4. $1,2,3,4,5$
Q. 22 In the following question, select the related letters from the given alternatives.

SH:IT :: LM : ?
Ans
X 1. XU

- 2. PV

3. NM
4. XB
Q. 23 How many horses are neither clips nor bags?


Ans
(1. 9
2. 7
3. 5
4. 4
Q. 24 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)
$(141,13,128)$
$(238,164,402)$
Ans
$\times 1 .(64,42,32)$
X 2. $(51,32,85)$

- 3. $(48,31,79)$

X 4. $(39,33,62)$
Q. 25 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)
$(80,72,64)$
$(64,56,48)$
Ans

1. $(100,90,75)$
2. $(42,35,24)$
3. $(81,72,64)$
4. $(63,56,49)$

## Section: Quantitative Aptitude

Q. 1 If $\sin \theta+\cos \theta=\sqrt{ } 2$, then find the value of $\operatorname{cosec} \theta+\cot \theta$.

Ans

1. $\sqrt{2}-1$
2. $\sqrt{2}+5$
3. $\sqrt{3}-1$
4. $\sqrt{2}+1$
Q. 2 In triangle $\mathrm{ABC}, \mathrm{AB}=20 \mathrm{~cm}, \mathrm{BC}=16 \mathrm{~cm}$ and $\mathrm{AC}=12 \mathrm{~cm}$ and the radius of circle inscribed in it is 4 cm . Find the area of triangle ABC .

Ans

1. $48 \mathrm{~cm}^{2}$
2. $72 \mathrm{~cm}^{2}$
3. $96 \mathrm{~cm}^{2}$

X 4. $120 \mathrm{~cm}^{2}$
Q. 3

What is the value of $\frac{9 x^{2}+12 x y+4 y^{2}}{36}$ ?
Ans
X1. $\left(\frac{x}{3}+\frac{y}{2}\right)^{2}$
x 2. $\left(\frac{x}{2}-\frac{y}{3}\right)^{2}$
3. $\left(\frac{x}{2}+\frac{y}{3}\right)^{2}$
x 4. $\left(\frac{x}{4}+\frac{y}{3}\right)^{2}$
Q. 4 The marked price of a chair is 30 percent more than its cost price. If the chair is sold for Rs. 200 after a discount of Rs. 40 , then what will be the profit percentage?

Ans

## 1. 8.34 percent

2. 7.28 percent
3. 9.66 percent
4. 8.13 percent
Q. 5 The bar graph given below shows the saving and expenditure of 5 companies D, E, F, G and H.


Income $=$ Expenditure + Savings
The total income of all the companies is what percent of the total expenditures?
Ans

1. 213.33 percent
2. 166.73 percent
$\times 3.233 .33$ percent
X 4. 199.66 percent
Q. 6 The pie chart given below show the runs scored by 5 batsmen in a cricket match. Total runs scored by these five batsmen are 700 . Runs scored by a batsman is shown as a percentage of runs scored by all these five batsmen


What are total runs scored by L, N and R?
Ans
$\times 1.328$
X. 297

- 3. 284

4. 378
Q. 7 The value of $25 \div 10-\left(\frac{7}{4} \times \frac{1}{3}\right)$ of $\frac{6}{5}+\frac{14}{3} \times \frac{9}{10}+\left(\frac{1}{5} \div \frac{1}{25}\right)$ is:

Ans
X1. 9
2. 15
3. 11
4. 7
Q. 8 In triangle $\mathrm{XYZ}, \angle \mathrm{Y}$ is the smallest angle and $\angle \mathrm{Y}=25$ degree. If the ratio of the angle is $20: 11: 5$, then what is the largest angle of $\triangle \mathrm{XYZ}$ ?

Ans
$\times 1.80$ degree
$\times 2.85$ degree
$X$ 3. 95 degree
4. 100 degree
Q. 9 Two medians $Q T$ and $R S$ of the triangle $P Q R$ intersect at $G$ at right angles. If $Q T=18 \mathrm{~cm}$ and $R S=27 \mathrm{~cm}$, then the length of $Q S$ is:

Ans
X 1. 20 cm
2. 15 cm
3. 13 cm
X. 10 cm
Q. 10 If $\cot (\mathrm{P}+\mathrm{Q})=0$ and $\tan (\mathrm{P}-\mathrm{Q})=1 / \sqrt{ }$, then what is the value of $\angle \mathrm{P}$ and $\angle \mathrm{Q}$ ? $(0$ degree $<\mathrm{P}, \mathrm{Q} \leq 90$ degree $)$

Ans

1. 25 degree, 65 degree
$\times$ 2. 45 degree, 45 degree
) 3. 60 degree, 30 degree
$\times 4.15$ degree, 75 degree
Q. 11 Tilak's salary increases by $15 \%$ in the first year, decreases by $20 \%$ in the second year and increases by $25 \%$ in the third year. If Tilak's salary after these three years is Rs, 23,000 , then find the salary of Tilak in the beginning of these 3 years.

Ans

1. Rs. 20,000
2. Rs. 18,000
3. Rs. 15,000
4. Rs.25,000
Q. 12 What is the value of $\frac{1-\tan ^{2} 45^{\circ}}{1+\cos ^{2} 90^{\circ}}$ ?

Ans

1. 0
2. 2
3. 1
4. 0.5
Q. 13 Nikhil and Neha invested capital in the ratio $5: 4$. The time Neha invested her money for was one year more than that invested by Nikhil. The ratio of their profits is in the ratio $6: 5$. Find the time Neha invested the money for

Ans

1. 26 years
2. 23 years
3. 24 years
4. 25 years
Q. 14 Find the value of $(p+2 q)^{2}-(p-2 q)^{2}$.

Ans
$\times 1.10 \mathrm{pq}$
2. 8 pq

X 3. 4 pq
X4. 6 pq
Q. 15 If 60 percent of total articles are sold at a loss of 20 percent and remaining articles are sold at a profit of 5 percent, then what will be the overall loss percentage?

Ans

1. 10 percent
2. 8 percent
3. 14 percent
4. 5 percent
Q. 16 What is the value of 224 of $4 \div 7-250 \times 3$ ?

Ans
X 1. -524
X2. -486
X 3. -588

- 4. -622
Q. 17 A trapezium plate having two parallel sides of length 15 cm and 9 cm , and distance between them is 6 cm . Copper plating is to be done on the plate at a rate of Rs. 3 per square cm . What will be the total cost of copper plating on the upper side of the plate?
Ans

1. Rs. 432
2. Rs. 216
3. Rs. 72

X4. Rs. 108
Q. 18 Farhan and Aman are going from Delhi to Haryana. The difference and sum of their speeds are $40 \mathrm{~km} / \mathrm{hour}$ and 60 km hour respectively. If in a race Fartan can finish 8 minutes earlier than Aman, then find the distance they both should cover.
Ans

1. $5 / 3 \mathrm{~km}$

X2. $8 / 3 \mathrm{~km}$
X. $3 / 5 \mathrm{~km}$

X4. $3 / 8 \mathrm{~km}$
Q. 19 The pie chart given below show the runs scored by 5 batsmen in a cricket match. Total runs scored by these batsmen are 500 . Runs scored by a batsman is shown as a percentage of runs scored by all these five batsmen.


How many runs are scored by the batsman $R$ ?
Ans
$\times 1.120$
$\checkmark$ 2. 160
X3. 200
$\times 4.90$
Q. 20 A can complete $3 / 8$ part of a work in 36 days. B can complete $1 / 2$ part of the same work in 27 days. Which of the following statement(s) is/are correct?
I. $A$ is less efficient than $B$.
II. $A$ and $B$ working together can complete 11/15 part of the same work in 36 days.

Ans

1. Neither I nor II
2. Only I
$x$ 3. Only II
X 4. Both I and II
Q. 21 The line chart given below shows the salary of 6 employees of a company.


What is the average of salary of employees C, D and E?
Ans
$\times 1.150$
2. 300
$\times 3.100$
X4. 200
Q. 22 If $x+y+z=0$, then what is the value of $\frac{x}{(y z)^{2}}+\frac{y}{(x z)^{2}}+\frac{z}{(x y)^{2}}$ ?

Ans

1. $\frac{\mathrm{xyz}}{3}$
2. $\frac{3}{x y z}$
3. xyz
4. $\frac{1}{x y z}$
Q. 23 A sum of money becomes three times of itself at the rate of 10 percent per annum on simple interest. Which of the following statement(s) is/are correct?
I. It will become 5 times of itself at the rate of 20 percent per annum on simple interest in the same time period.
II. It will become 7 times of itself at the rate of 30 percent per annum on simple interest in the same time period.

Ans
$x$ 1. Only II
$X$ 2. Neither I nor II
X 3. Only I

- 4. Both I and II
Q. 24 If in triangle $A B C, D$ is a point on the side $B C$ such that the line joining $A D$ bisects the angle $A$. If the length of $B D$ and $B C$ are 4 cm and 10 cm respectively, then find the ratio of the lengths of $A B$ and $A C$,

Ans

1. $2: 3$
2. $5: 3$
3. $3: 5$
4. $3: 2$
Q. 25 There are 5 numbers, where first number is double of second number and two-third of third number. The average of 5 numbers is 60 . If the sum of remaining two numbers is 120 , then find the value of the 3 rd number,

Ans

1. 120
2. 90
3. 80
4. 60

Section : General awareness
Q. 1 Who among the following became India's 76th Chess Grandmaster in the year 2022?

Ans
X 1. Viswanathan Anand
2. Pranav Anand
3. Pentala Harikrishna
4. Rameshbabu Praggnanandhaa
Q. 2 Who among the following was the first-ever badminton player from India to clinch an Olympic medal?

Ans
X 1. Srikanth Kidambi
2. Saina Nehwa
3. Chirag Shetty
4. PV Sindhu
Q. 3 Which of the following disease is caused by fungi?

Ans

1. Covid-19
2. Ring Worm
3. Tuberculosis
4. Cholera
Q. 4 The city of Fatehpur Sikri was built by $\qquad$ -.
Ans
5. Akbar
6. Aurangzeb
7. Shah Jahan
8. Jahangir
Q. 5 How many silver medals did Indian athletes win in the 2022 Commonwealth Games?

Ans
$\times 1.14$
$\times 2.18$
3. 20
4. 16
Q. 6 What is the approximate literacy rate of India as per the 2011 census?

Ans

1. 70.01 percent
2. 78.2 percent

- 3. 74.04 percent

X 4.83 .35 percent
Q. 7 At which Indian institution did President of India, Smt Droupadi Murmu, inaugurate 'PARAM KAMRUPA' Supercomputer facility in October 2022?
Ans

1. IIT Guwahati
2. University of Mumbai
3. IIT Kharagpur
4. NIT Warangal
Q. 8 The S-400 Triumf (Russian for Triumph) Missile System is $\qquad$ missile defense system designed in Russia.
Ans
5. air-to-underwater
6. surface-to-air
7. surface-to-surface
8. air-to-air
Q. 9 A type of loan that allows borrowers to make low payments in the initial phases but repayment of the balance amount in lump sum at maturity is known as $\qquad$ _.

Ans

1. Balloon Mortgage
2. English Mortgage
3. Income - Sensitive Payment
4. Payday Loans
Q. 10 Which among the following is a unit of measurement that describes the rate at which the universe is expanding?

Ans

1. Faraday constant
2. Planck's constant
3. Electric constant
4. Hubble constant
Q. 11 Which political organization was banned in September 2022 by Government of India under the Unlawful Activities (Prevention) Act?

Ans
X 1. Khalistan Zindabad Force
2. Popular Front of India (PFI)
3. All Tripura Tiger Force
4. Jammu and Kashmir Islamic Front
Q. 12 Which country's space agency has launched project "DART Mission"?

Ans

1. USA
2. Russia
3. India
4. China
Q. 13 In $\qquad$ Ambedkar started a temple entry movement, in which his Mahar caste followers participated.
Ans
5. 1923
6. 1927
$\times 3.1925$
7. 1921
Q. 14 What is the public healthcare spending percentage as GDP of India, as per Economic Survey 2020-21?

Ans
$\times 1.2 .5 \%$
2. $1 \%$

- 3. $4.5 \%$

4. $5.5 \%$
Q. 15 Which Indian was awarded the Nobel Prize in Physics in the year 1930?

Ans
X 1. Vikram Sarabhai
2. C. V. Raman

X 3. Rabindranath Tagore
X 4. Amartya Sen
Q. 16 Which of the following statement regarding ocean currents is correct?

Ans $\quad \times 1$. The Labrador Ocean current is warm current.
2. The areas where the warm and cold currents meet provide the best fishing grounds.
3. The cold ocean currents move towards the poles.

X 4. The warm ocean currents move towards the equator.
Q. 17 Which among the following is a database software?

Ans

1. MS-PowerPoint

X 2. MS-Word
3. dBase
4. Word Pad
Q. 18 Which among the following Indian cities received World Green City Award 2022?

Ans
X 1. New Delhi
2. Hyderabad
$X$ 3. Mumbai
4. Pune
Q. 19 Article 143 of the Indian constitution is related with which of the following?

Ans

1. Power of the President to enlarge jurisdiction of the Supreme Court
2. Power of the President to consult the Supreme Court
$\times$ 3. Power of the President to appoint National Judicial Appointments Commission
Х 4. Power of the President to transfer certain cases from High Courts to Supreme Court
Q.20 Article 72 of the Indian constitution is related with the power of the $\qquad$ to grant pardons, etc. and to suspend, remit or commute sentences in certain cases.
Ans
3. Chief Minister
4. Governor
5. President
6. Prime Minister
Q. 21 When did Indigo revolt, a peasant movement, start in India?

Ans
X 1.1857
2. 1861
3. 1859
(4. 1889
Q. 22 What is the official language of Bhutan, a neighbouring country of India?

Ans
X 1. Kyat
, 2. Dzongkha
$X$ 3. Yuan
4. Ngultrum
Q. 23 What is the zone between the arctic circle and north pole called?

Ans
X 1. Torrid zone
2. Frigid zone

X 3. North temperate zone
4. South temperate zone
Q. 24 Sir Tim Berners-Lee - a British computer scientist invented the revolutionary World Wide Web in

Ans
X 1.1982
X2. 19953. 1990

X4. 1985
Q. 25 How many Vedas are there in Indian literature of classical Hinduism?

Ans

1. Three
2. Four

X 3. One
$\times 4$. Two

| Combined Higher Secondary Level Examination Tier I 2022 |  |
| :--- | :--- |
| Roll Number  <br> Candidate Name  <br> Venue Name  <br> Exam Date $21 / 03 / 2023$ <br> Exam Time $11: 45$ AM - 12:45 PM <br> Subject CHSL Exam 2022 Tier I |  |

Section : English Language
Q. 1 Choose the word that means the same as the given word. Soar

Ans
X 1. Sweet
2. Fly
3. Bitter
4. Sour
Q. 2 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase. To miss the bus
Ans
X 1. Short lived glory
2. To lose an opportunity
3. Escape by a thin margin
4. A problem in a situation
Q. 3 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Workers and companies in all sectors can contribute their skills to meet society new needs.

Ans

1. sectors can contribute their skills
2. No error
3. to meet society new needs.
4. Workers and companies in all
[^0]
## Q. 5 Select the correct indirect form of the given sentence.

Miranda said to her teacher, "I was sick for a day."
Ans

1. Miranda told her teacher that she has been sick for a day.
2. Miranda told her teacher that she is sick for a day.

X 3. Miranda told her teacher that she was sick for a day.
4. Miranda told her teacher that she had been sick for a day.
Q. 6 Select the word that is opposite in meaning (ANTONYM) to the word given below. Fanatic
Ans
X 1. Militant
2. Moderate
3. Sectarian
4. Zealot

## Q. 7 Choose the sentence with no spelling error.

Ans
$X 1$. He semed to be taller than him.
2. He seemed to be taller than him.
$X 3$. He seemed to be taler than him.
$X 4$. He seemed to bee taller then him.
Q. 8 Choose the word that is opposite in meaning to the given word. Recondite
Ans

1. Abstruse
$\times 2$ 2. Phlegm
2. Clear

X 4. Abstract
Q. 9 Choose the word that can substitute the given group of words. A fall of water from a great height
Ans

1. River
2. Stream

X 3. Typhoon
4. Cascade
Q. 10 Rearrange the parts of the sentence in correct order.
P. undermining the strict application of comparative anthropology
Q. in the early 20th century it was almost universally assumed
R. that traditional cultures would be completely assimilated
$S$. into colonial cultures within a few decades, thus
Ans

1. PQRS
2. PSQR
3. QPRS
4. QRSP
Q. 11 Select the correct passive form of the given sentence. Susan writes recipes for the cookbook.

Ans

1. Recipes are write by Susan for the cookbook.
2. Recipes were written by Susan for the cookbook.
3. Recipes are written by Susan for the cookbook.
4. Recipes are being written by Susan for the cookbook.
Q. 12 Rearrange the parts of the sentence in correct order. Some algal blooms
P. beneficial to aquatic life, since these tiny
$Q$. nutrient conditions are optimal, and they can be
$R$. occur naturally when temperature, water, and
S. organisms form the base of the food chain

Ans

1. RQPS
2. PRSQ
3. QPRS
4. RQSP
Q. 13 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
If proper treat, the wound should heal within a few weeks.
Ans
X 1. proper treated
5. properly treated
6. properly treatment
7. No improvement
Q. 14 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
We have more then 6 years of experience in field hockey.
Ans
8. then 6 years of
9. We have more
10. experience in field hockey.
11. No error
Q. 15 Choose the word that is opposite in meaning to the given word.

Algid
Ans
(1. Algae
2. Gelid
3. Igneous
4. Clean
Q. 16 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.
But what of the young people whom are part of the cricket crowds, some of who are presumably born in England?
Ans
X 1. who are part of the cricket crowds, some of who are presumably born in England
2. No improvement
3. whom are part of the cricket crowds, some of whom are presumably born in England
4. who are part of the cricket crowds, some of whom are presumably born in England
Q. 17 Choose the incorrectly spelt word.

Ans
X 1. Cream
2. Sleam

X 3. Beam
4. Steam
Q. 18 Given below are four jumbled sentences. Pick the option that gives their correct order. P. In July 1977, Marley was found to have a type of malignant melanoma (cancer) under the nail of a toe.
Q. He died on 11 May 1981 at Cedars of Lebanon Hospital in Miami (now University of Miami Hospital) at the age of 36.
R. Despite his illness, he continued touring until his health deteriorated as the cancer had spread throughout his body.
S. Marley turned down his doctors' advice to have his toe amputated, citing his
religious beliefs.
Ans

1. PSRQ
2. PQSR

X 3. RSQP
X4.PSQR
Q. 19 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To have a nodding acquaintance
Ans

1. To have a great experience
2. To neglect all the parameters

- 

3. Know somebody/something slightly
4. To have nothing in common
Q. 20 Fill in the blank with an appropriate option.

Taking a deep, $\qquad$ breath, I start again, successfully loading the filter and placing the cup underneath.

Ans

1. penetrating
2. surrogating
3. calming
4. jamming

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Yes, there's definitely something to be said about (1) $\qquad$ the perfect cup of coffee. I'm staring (2) $\qquad$ the machine again, but today I'm smiling. I've done $\qquad$ of foam, the (3) $\qquad$ like silk and the little dusting of chocolate, (4) $\qquad$ a perfect heart on the top. It's just a shame that it's me who is drinking it, not a/an (5) $\qquad$ customer.

## SubQuestion No : 21

Q. 21 Select the most appropriate option to fill in blank number 1.

Ans
$\times 1$. sobbing
2. making
$\times$ 3. breaking
X4. loading

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Yes, there's definitely something to be said about (1) $\qquad$ the perfect cup of coffee. I'm staring (2) $\qquad$ the machine again, but today I'm smiling. I've done it - the correct amount of foam, the (3) $\qquad$ like silk and the little dusting of chocolate, (4) $\qquad$ a perfect heart on the top. It's just a shame that it's me who is drinking it, not a/an (5) $\qquad$ customer.

SubQuestion No: 22
Q. 22 Select the most appropriate option to fill in blank number 2.

Ans
$\times 1$. of
2. at
$\times 3$. to
$\times 4$. on

## Comprehension

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Yes, there's definitely something to be said about (1) $\qquad$ the perfect cup of coffee. l'm staring (2) $\qquad$ _ the machine again, but today l'm smiling. I've done it - the correct amount of foam, the (3) $\qquad$ like silk and the little dusting of chocolate, (4) $\qquad$ a perfect heart on the top. It's just a shame that it's me who is drinking it, not a/an (5) $\qquad$ customer.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans
X 1. cruelty
Х 2. irrationality
X 3. rigidity

- 4. smoothness


## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Yes, there's definitely something to be said about (1) $\qquad$ the perfect cup of coffee. l'm staring (2) $\qquad$ the machine again, but today l'm smiling. I've done it - the correct of foam, the (3) $\qquad$ like silk and the little dusting of chocolate, (4) $\qquad$ a perfect heart
on the top. It's just a shame that it's me who is drinking it, not a/an (5) $\qquad$ customer.

SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in blank number 4.

Ans

1. forming
2. formerly
3. forcing
4. formation

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Yes, there's definitely something to be said about (1) $\qquad$ the perfect cup of coffee. l'm staring (2) $\qquad$ the machine again, but today I'm smiling. I've done it - the correct amount of foam, the (3) $\qquad$ like silk and the little dusting of chocolate, (4) $\qquad$ a perfect heart on the top. It's just a shame that it's me who is drinking it, not a/an (5) $\qquad$ customer.

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

1. appreciative
2. calculative
3. famished
4. satiated

## Section : General Intelligence

Q. 1 Select the figure from the given options that can replace the question mark (?) in the following series.


Ans
21. $\Delta \vec{\Delta}$
$\times 2$.

$\times 3$.

$\times 4$.

Q. 2 After arranging the given words according to dictionary order, which word will come at 'Fourth' position?

1. Morning
2. More
3. Moral
4. Morbid
5. Morale

Ans

1. More

X 2. Moral
X 3. Morale
$\times 4$. Morning
Q. 3 In a certain code language, 'INTERNAL' is coded as '91320221813115', 'MOUNTAIN' is coded as '131221132026913'. What is the code for 'PAYMENTS' in that code language?

Ans
X 1.16262514413208
X 2. 16262514513280

- 3. 16262514513208

X4. 16252614513208
Q. 4 By interchanging the given two signs which of the following equation will be correct?
$x$ and -
I. $11+6 \times 8-8 \div 2=15$
II. $15-4 \times 3+6 \div 1=63$

Ans

1. Only II
2. Both I and II
3. Only I
4. Neither I nor II
Q. 5 In the following question, select the odd letter/letters from the given alternatives.

Ans

1. RTW
2. PSV
3. ADG
4. ILO
Q. 6 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Den : Lion :: Web :?
Ans
5. Eskimo
6. Mouse
7. Spider
8. Bird
Q. 7 Select the option in which the numbers share the same relationship in set as that shared by the numbers in the given set.
(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)
(286, 456, 340)
$(347,592,490)$
Ans
X $1 .(456,666,400)$
X 2. $(782,907,230)$

- 3. $(198,279,162)$
$\times 4 .(324,419,210)$
Q. 8 Two different positions of the same dice are given below. Find the alphabet opposite of C.


Ans

1. E
2. A

X3. B
X4. D
Q. 9 Find the total number of cubes in the figure,


Ans
$\times 1.8$
2. 11
3. 10
-4. 9
Q. 10 Three positions of a dice are given below. What will come on the face opposite to the face containing ' 9 ' on it?


Ans

1. \#
$\times 2.7$
$\times 3.2$
X4.8
Q. 11 A cube is made by folding the given sheet. In the cube so formed, which letter will be on the face opposite to the face showing ' H '?

| H | O |
| :--- | :--- |
| P |  |
| S |  |
| N | T |

Ans

1. T
$\times 2 . \mathrm{O}$
ง. S
X4. N
Q. 12 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation. Scooter : Vehicle :: Pencil : ?
Ans
X 1. Pen
2. Stationery
$\times$ 3. Write
3. Lead
Q. 13 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. Some jungle are green.
II. No blue is green.

Conclusion:
I. No green is blue.
II. Some green are jungle.
III. No jungle is blue.

Ans

1. Only conclusion III follows
2. Both conclusions II and III follows
3. Only conclusion II follows
4. Both conclusions I and II follows
Q. 14 Select the option in which the numbers share the same relationship in set as that shared by the numbers in the given set. (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)
(413, 662, 911)
$(387,636,885)$
Ans
5. $(287,536,785)$
6. $(403,652,907)$
7. $(521,770,1009)$
8. $(311,560,799)$
Q. 15 H is the brother of $I . G$ is the brother of $H$. I is the son of $J . J$ is the sister of K. How is $J$ related to $\mathbf{G}$ ?
Ans
9. Mother in law
10. Daughter
11. Paternal Aunt
12. Mother
Q. 16 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

$\times 2$.

3.

$\times 4$.

Q. 17 Select the Venn diagram that best represents the relationship between the following classes.

Engineers, Lawyers and married people
Ans
$\times 1$

$\times 2$.


- 3

$\times 4$.

Q. 18 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
OLR, REZ, UXH, XQP, ?
Ans
X 1. ALX
X 2. BJY

3. AJX

X4.AQX
Q. 19 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)
(17, 51, 153)
$(32,96,288)$
Ans
X 1. $(73,229,657)$
$\times 2 .(81,343,729)$
X 3. $(16,48,154)$
4. $(42,126,378)$
Q. 20 If 8 A $7=56$ and 9 A $11=99$, then 16 A $15=$ ?

Ans
$\times 1.280$
$\times 2.220$
X 3.260

- 4.240
Q. 21 In a certain code language, 'DECENT' is coded as 'VPGEGF'. What is the code for 'ENERGY' in that code language?
Ans
X 1. AITGQG

2. AITGPG
3. AIIGPG
4. AITHPG
Q. 22 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Ring : Boxing :: Rink : ?
Ans
5. Athletics
6. Skating

X 3. Badminton
4. Cricket
Q. 23 In the following question, select the odd word pair from the given alternatives.

Ans

1. Physiology - Body
2. Pedology - Fishes
3. Entomology - Insects
4. Selenography - Moon
Q. 24 In the following question, select the missing number from the given series.

2, 4, 7, 11, 16, ?
Ans

1. 22
2. 25
3. 23
4. 24
Q. 25 Select the option that is related to the fourth number in the same way as the first number is related to the second number and fifth number is related to sixth number. 8:128:: ? : 176 :: 16 : 256
Ans
5. 22
2.2
(3. 14
6. 11

Section : Quantitative Aptitude
Q. 1 PM is the median of $\triangle P Q R$. $O$ is the centroid of $\triangle P Q R$. If $P O=27 \mathrm{~cm}$, then what is the length of $P M$ ?

Ans
$\times 1.18 \mathrm{~cm}$
2. 54 cm
3. 40.5 cm
4. 12 cm
Q. 2 What is the sum of all three digit numbers which are divisible by 20 ?

Ans
X 1. 19400
X 2. 20500

- 3. 24300

X4. 21800
Q. 3 Average weight of 10 persons is 40 kg . A new person join the group and average weight of 11 persons becomes 42 kg . What will be the weight of new person?
Ans

1. 58 kg

X2. 60 kg
3. 62 kg

X 4.64 kg
Q. 4 What is the value of $\operatorname{cosec} A(1-\cos A)(\operatorname{cosec} A+\cot A)$ ?

Ans
$\times 1.2$
2. 1
3. 0
4. 3
Q. 5 In how nuch time will a sum of Rs. 12500 amounts to Rs. 20000 at the rate of 8 percent per annum at simple interest?

Ans

1. 10 years
2. 7.5 years
3. 8 years
4. 12.5 years
Q. 6 In a school there are total 414 students. The ratio of boys and girls is $5: 4$. If 46 more boys gets admitted into the school, then what will be the new ratio of boys and girls?

Ans

1. 3:1
2. $4: 3$
3. $5: 2$
4. $3: 2$
Q. 7 What is the total surface area of a cylinder having radius of base as 7 cm and height as 5 cm ?

Ans
X 1. $426 \mathrm{~cm}^{2}$
2. $528 \mathrm{~cm}^{2}$
3. $428 \mathrm{~cm}^{2}$

X4. $572 \mathrm{~cm}^{2}$
Q. 8

What is the value of $\frac{\frac{3}{4} \div \frac{9}{64}+\frac{7}{11} \times \frac{121}{14}-\frac{9}{13} \times \frac{65}{36}}{\frac{1}{2} \div \frac{4}{5}+\frac{3}{4} \times \frac{16}{15}} ?$
Ans
X 1. 1169/143
2. $1150 / 171$

X 3. 1413/157
X4. 1216/141
Q. 9 Tangent drawn from a point $P$, touches the circle at $Q$. $O$ is the centre of this circle. If $P Q=12 \mathrm{~cm}$ and $\mathrm{OQ}=5 \mathrm{~cm}$, then what is the value of OP?

Ans

1. 15 cm
2. $\sqrt{119} \mathrm{~cm}$
3. $\sqrt{179} \mathrm{~cm}$
4. 13 cm
Q. 10 The average of 5 consecutive even numbers is A. If next 5 even numbers are also included, then what is the average of these 10 numbers?

Ans

1. $A+7$
2. $\mathrm{A}+2$
3. $\mathrm{A}+9$
4. $\mathrm{A}+5$
Q. 11 If $\sin A=\frac{6}{7}$, then what is the value of $\sec \mathrm{A}$ ?

Ans

1. $\frac{1}{\sqrt{13}}$
2. $\frac{7}{\sqrt{13}}$
3. $\frac{6}{\sqrt{13}}$
4. $\frac{4}{\sqrt{13}}$
Q. 12 The line chart given below shows production of sugar by two companies $A$ and $B$ in 5 years.


Which of the following statement is correct?
I. The production of sugar by A in years J and K together is 7.69 percent more the production of sugar by B in year L and M together.
II. The ratio of combined production of sugar by B in years M and N to the combined production of sugar by A in years

K and L is 21 : 16 .
Ans

1. Only II
2. Neither I nor II
3. Both I and II
4. Only I
Q. 13 A person goes to his office by scooter at the speed of $80 \mathrm{~km} / \mathrm{hr}$ and reaches 60 minutes earlier. If he goes at the speed 50 $\mathrm{km} / \mathrm{hr}$, then he reaches 48 minutes late. What will be the speed of the scooter to reach on the usual time?
Ans
5. $64 \mathrm{~km} / \mathrm{hr}$
6. $66 \mathrm{~km} / \mathrm{hr}$
7. $60 \mathrm{~km} / \mathrm{hr}$
8. $62 \mathrm{~km} / \mathrm{hr}$
Q. $14 P$ is 20 percent more than $Q$ and $Q$ is 30 percent less than $R$. If $P$ is 420 , then what is the value of $R$ ?

Ans
X 1. 600
マ2. 500
X 3. 625
$\times 4.700$
Q. 15 An article is sold for Rs. 1,260 after giving a discount of $40 \%$. What is the marked priced of this article?

Ans

1. Rs.2,100
2. Rs. 1,800
3. Rs.2,200
4. Rs.2,000
Q. 16 If $\left(2 \cos ^{3} \mathrm{~A}-\cos \mathrm{A}\right) /\left(\sin \mathrm{A}-2 \sin ^{3} \mathrm{~A}\right)=1$, then what is the value of A ?

Ans
$\times 1.90^{\circ}$
$\times 2.30^{\circ}$
) 3. $45^{\circ}$
X4. $60^{\circ}$
Q. 17 The table given below shows the cost price and selling price of four articles.

| Articles | Cost price | Selling price |
| :--- | :--- | :--- |
| P | 300 | 250 |
| Q | 400 | 375 |
| R | 350 | 250 |
| S | 500 | 350 |

What is the average value of loss of all articles?
Ans
X 1.60 .75
$\times 2.95 .55$
$\checkmark$ 3. 81.25
X4. 72.24
Q. 18 A and B together can complete a work in 20 days. A is 20 percent more efficient than B. B alone can complete the same work in how many days?

Ans
$x$ 1. 66 days
$\times$ 2. 33 days
๑. 44 days

X4. 55 days
Q. 19 If $\frac{\mathrm{K}}{\mathrm{k}^{2}-2 \mathrm{~K}+1}=\frac{1}{6}$, then what is the value of $\frac{1}{\mathrm{~K}^{3}}+\mathrm{K}^{3}$ ?

Ans
X1. 472
$\times 2.492$
$\times 3.512$
4. 488
Q. $20 \triangle A B C$ is similar to $\triangle P Q R . A B=4 \mathrm{~cm}, B C=8 \mathrm{~cm}$ and $A C=10 \mathrm{~cm}$. If $Q R=16 \mathrm{~cm}$, then what is the area of $\triangle P Q R$ ?

Ans
X $1.2 \sqrt{231} \mathrm{~cm}^{2}$
2. $4 \sqrt{231} \mathrm{~cm}^{2}$

X 3. $4 \sqrt{462} \mathrm{~cm}^{2}$
X4. $8 \sqrt{462} \mathrm{~cm}^{2}$
Q. 21 Angle subtended by a chord $A B$ on the centre of the circle is 140 degree. What will be the angle subtended by the chord AB on the major are of the circle?

Ans
$\times 1.80$ degree
X2. 60 degree
$\times$ 3. 35 degree
4. 70 degree
Q. 22 The bar graph shows the number of passports issued in a country in 6 consecutive years.


What is the average number of passports issued per year ?
Ans
X1. 11200
$\times 2.7600$
$\checkmark$ 3. 8000
$\times 4.12000$
Q. 23 If $(a+b)=16$ and $a^{3}+b^{3}=1456$, then what is the value of $a b$ ?

Ans
$\times 1.50$
X2. 48
3. 64
4. 55
Q. 24 The following histogram shows the height of players of a basketball team of a school.


How many players have height less than 141 cm ?
Ans
$\times 1.7$
$\times 2.4$
-3. 6
$\times 4.5$
Q. 25 A woman buys a watch for Rs. 4,000 and sells it at a loss of $13 \%$. What is the selling price of the watch?

Ans

1. Rs. 3,480
2. Rs.3,500
3. Rs.3,840
4. Rs.3,620

## Section : General awareness

Q. 1 What is the sex ratio of India as per 2011 census?

Ans

1. 1.843 females per 1000 males
2. 943 females per 1000 males
< 3.643 females per 1000 males
3. 743 females per 1000 males
Q. 2 Which of the following is NOT a permanent wind?

Ans
X 1. Westerlies
2. Loo

X 3. Easterlies
$\times 4$. Trade winds
Q. 3 Graphical User Interface (GUI) was developed during which of the following generations of computer?
Ans

1. Fourth Generation
2. Second Generation
3. First Generation
4. Third Generation
Q. 4 In July 2022, who among the following has notified the detailed framework for Social Stock Exchange (SSE)?
Ans
5. Ministry of corporate affairs
6. RBI
7. SEBI
8. NITI Aayog
Q. 5 "Statue of Equality" has been inaugurated in Hyderabad in the memory of $\qquad$ —.

Ans

1. Saint Ramanujacharya
< 2. Swami Vivekananda
X 3. Swami Dayananda
2. Shri Ravi Das
Q. 6 In which of the following cities of the Indus valley civilization has a dockyard been found?
Ans
3. Lothal
4. Chanhudaro

X 3. Kalibangan
4. Dholavira
Q. 7 A free-market economy is a crucial aspect of $\qquad$ -.
Ans
X 1. Socialism
2. Capitalism

X 3. Feudalism
$X$ 4. Functionalist
Q. 8 What is the maximum number of electrons that the third orbit or M-shell can have?

Ans
$\times 1.32$
2. 8
3. 18
4. 2
Q. 9 Qutub Minar is an example of $\qquad$ architecture.
Ans

1. Indo-Islamic
2. Dravidian
3. Sufi
4. Mauryan
Q. 10 Swami Vivekananda's death anniversary is observed on $\qquad$ -.
Ans
5. July 1
6. July 4
7. August 1
8. August 4
Q. 11 The sensation of feeling full is because of a centre associated with hunger, which is in a separate part of the $\qquad$ .
Ans
9. Pituitary gland
10. Midbrain
11. Forebrain
12. Hindbrain
Q. 12 Who among the following Indian athletes won a silver medal in 2022 Commonwealth

Games?
I. Avinash Sable
II. Ravi Kumar Dahiya

Ans
X 1. Both I and II
2. Only II
3. Neither I nor II
4. Only I
Q. 13 Who among the following was awarded with the 2022 Pulitzer Prize in Feature Photography category?
Ans
X 1. K.R. Meera
2. Syeda Hameed
3. Bibek Debroy
4. Amit Dave
Q. 14 Which of the following is correct regarding the National Income?
I. Intermediate goods are not included in the calculation of national income.
II. Final goods are included in the calculation of national income.

Ans

1. Only II

X 2. Neither I nor II
X 3. Only I
4. Both I and II
Q. 15 Which of the following statement is NOT correct regarding Rutherford's nuclear model of an atom?

Ans

1. The size of the nucleus is very large as compared to the size of the atom.
2. The electrons revolve around the nucleus in circular paths.
3. There is a positively charged centre in an atom called the nucleus.
4. Nearly all the mass of an atom resides in the nucleus.
Q. 16 Which of the following is a vulnerable species?

Ans
X 1. Himalayan brown bear
X 2. Hornbill
$X$ 3. Asiatic cheetah
4. Asiatic elephant
Q. 17 Which of the following straits is located between the Java Sea and the Indian Ocean?

Ans
$X$ 1. Palk
2. Malacca
3. Sunda
4. Cook
Q. 18 Which country hosted the ICC Women's T20 World Cup 2023?

Ans

1. England
2. South Africa
3. Australia
4. India
Q. 19 Which of the following is NOT a type of paragraph formatting in MS-Word 365?

Ans
X 1. Right
2. Precise
(3. Justify
4. Centre
Q.20 Aditi Mangaldas is a leading dancer \& Choreographer in the classical Indian dance form of $\qquad$ _.

Ans

1. Bharatanatyam
2. Kuchipudi
3. Kathak
4. Kathakali
Q. 21 Which among the following is the oldest High Court in India?

Ans
X 1. Allahabad
X 2. Telangana

- 3. Calcutta

X 4. Andhra Pradesh
Q. 22 Article 76 of the Indian constitution is related with the office of which of the following?

Ans

1. Prime Minister of India
2. President of India
3. Vice - President of India
4. Attorney General of India
Q. 23 How many bronze medals did India win in the 2022 Commonwealth Games?

Ans
$\times 1.27$
$\times 2.25$
X 3.21

- 4.23
Q. 24 Who was the Indian captain for ICC Men's T20 World Cup 2022?

Ans

1. Rohit Sharma
2. Rishabh Pant
3. Hardik Pandya
4. Virat Kohli

## Q. 25 The Pitts India Act of <br> $\qquad$ distinguished between the commercial and political

 functions of the British East India Company.Ans
$\times 1.1818$
X2. 1792

- 3.1784
$\times 4.1802$

| Combined Higher Secondary Level Examination Tier I 2022 |  |
| :--- | :--- |
| Roll Number |  |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $21 / 03 / 2023$ |
| Exam TTme | 2:30 PM - $3: 30$ PM |
| Subject | CHSL |

## Section : English Language

Q. 1 Choose the sentence with no spelling error.

Ans

1. I was rently at a literary festival.
2. I was recently at a litrary festival.
3. I was recently at a literary festival.

4 4. I was recently at a literery fstival.
Question ID : 264330124256
Status : Not Answered
Chosen Option : --
Q. 2 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
There has been a noticeable fall in the number of children dying from malnutrition.
Ans
X 1. noticeable falling
2. No improvement

X 3. noticeably falling
$\times 4$. noticeably falls
Q. 3 Rearrange the parts of the sentence in correct order.
P. application, which can also be used to log complaints about
Q. littering or caused by the animals, according to officials
R. registered with the local authority through a mobile phone
S. the residents of Noida can now get their pets like dogs or cats

Ans
X 1. QRPS
2. SRPQ

X 3.PRQS
X4.RQPS
Q. 4 Find the part of the given sentence that has an error in it. If there is no error, choose
'No error'.
Near 800 million people worldwide lack updated sanitation.
Ans
X 1. updated sanitation.
X 2. people worldwide lack
X 3. No error
4. Near 800 million
Q. 5 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
Scientists have predicted that the cultivation of rice will be affected severe.
Ans

1. affect severe
2. No improvement
3. effecting severely
4. affected severely
Q. 6 The given sentence is in active voice. Change the voice of the sentence. Select the correct option from the sentences given in options. She used the aerobic ball during workout.

Ans

1. During workout the aerobic ball were to be used by her.
2. During workout the aerobic ball will be used by her.
3. During workout the aerobic ball had been used by her.
4. During workout the aerobic ball was used by her.
Q. 7 Choose the word that can substitute the given group of words. A child born after the death of his father

Ans

1. Orphan
2. Pseudonym
3. Posthumous
4. Bigot
Q. 8 Select the option that will improve the bracketed part of the sentence. In case no improvement is needed, select 'No improvement'.
Dad said that, "She would have been a great sister if she was just a bit more
careful".
Ans
5. No improvement
6. that, "She would have been a great sister if she were just a bit more careful"
7. "She would have been a great sister if she were just a bit more careful"
8. "She would have been a greatest sister if she was just a bit more careful"
Q. 9 Choose the word that means the same as the given word. Fad

Ans

1. Sensation
2. Standard
3. Classic
4. Deviant
Q. 10 Select the most appropriate option to fill in the blank. In space it is possible to identify and $\qquad$ some unique characteristics of human physiology and biology.
Ans
5. isolate
6. excess
7. replete
8. partition
Q. 11 Choose the word that is opposite in meaning to the given word.

Devious
Ans

1. Outspoken
2. Circuitous
3. Clandestine
4. Serpentine
Q. 12 Choose the word that means the same as the given word.

Nacreous
Ans

1. Monochromatic
2. Pale
3. Gloom
4. Iridescent
Q. 13 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
Mary doesn't like cartoons because they are loud, so she doesn't watched them.
Ans
X 1. do not watched this
5. doesn't watch them
6. No improvement
7. does watching them
Q. 14 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To play with fire
Ans
X 1. Feel sick
8. To take foolish risk
9. To abuse
10. Show disappointment
Q. 15 Choose the incorrectly spelt word.

Ans

1. Flufy
2. Gifted
( 3. Juggler
3. Struggler
Q. 16 Parts of the following sentence are given as options. Identify the part that contains a
grammatical error. If there is no error, select 'No error'.
That was a good / conversation, I look forward / to meet you.
Ans
X 1. That was a good

- 2. to meet you.

X 3. conversation, I look forward
X4. No error
Q. 17 Select the correct indirect form of the given sentence. Nandini said, "I bought a pen yesterday."
Ans
X 1. Nandini said she did bought a pen the previous day.
2. Nandini said that she had bought a pen the previous day.

X 3. Nandini said that she had bought a pen yesterday.
X 4. Nandini says that she had bought a pen the previous day.
Q. 18 Select the most appropriate meaning of the given idiom. Backseat driver
Ans

1. A person who offers unsolicited advice.
$\times 2$. To miss an appointed meeting.
X 3. Attempt to get control over someone.
X 4. To conclude proceedings.
Q. 19 Choose the word that means the same as the given word. Corrective
Ans
X 1. Commuting
2. Restorative

X 3. Compensatory
4. Sluggish
Q. 20 Rearrange the parts of the sentence in correct order. Research shows
P. that medium-skilled employees who work
Q. in front of a computer and work beyond
R. 4.6 effective hours a day produce smaller
S. quantities of output per hour due to fatigue

Ans
X 1.RQSP
X 2. PQSR
X 3. SQRP
4. PQRS

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1) $\qquad$ . Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) $\qquad$ and repetitive pattern. Molecules are too small for us to see moving around and (3) themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) $\qquad$ more spheres, the bottom of the tray becomes covered, the spheres must form layers on top of (5) $\qquad$ , and a structure or pattern emerges.

## SubQuestion No : 21

Q. 21 Select the most appropriate option to fill in blank number 1.

Ans
$\times 1$. convergence
2. ramification
3. disposition
4. solution

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water
(1) $\qquad$ . Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) $\qquad$ and repetitive pattern. Molecules are too small for us to see moving around and (3) $\qquad$ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) $\qquad$ more spheres, the bottom of the tray becomes covered, spheres must form layers on top of (5) ___, and a structure or pattern emerges.

SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in blank number 2.

Ans

1. orderly
$X 2$. vastly
X 3. wholly
X 4. adeptly

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1) $\qquad$ . Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) $\qquad$ and repetitive pattern. Molecules are too small for us to see moving around and (3) $\qquad$ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) $\qquad$ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) $\qquad$ , and a structure or pattern emerges.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans
$X 1$. summarizing
X 2. shielding
3. arranging

X4. dividing

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1) $\qquad$ . Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) $\qquad$ and repetitive pattern. Molecules are too small for us to see moving around and (3) $\qquad$ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) $\qquad$ more sphe
$\qquad$ , and a structure or pattern emerges.
spheres must form layers on top of (5)
SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in blank number 4.

Ans

1. add
$X$ 2. curse
X 3. please
$\times 4$. toil

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
Rock candy is actually a collection of large sugar crystals that are "grown" from a sugar-water (1) $\qquad$ . Crystals form when the smallest particles of a substance, the molecules, arrange themselves in a/an (2) $\qquad$ and repetitive pattern. Molecules are too small for us to see moving around and (3) $\qquad$ themselves, but you can get a rough idea of what this would look like by taking a small shallow tray and filling it with marbles, ball bearings, or other spheres. As you (4) $\qquad$ more spheres, the bottom of the tray becomes covered, then the spheres must form layers on top of (5) $\qquad$ and a structure or pattern emerges.

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans
$\times 1$. others
X 2. one
2. one another

X 4. every other
Q. 1 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

## Statements:

I. Some A are T.
II. Some T are H.

Conclusions:
I. No $T$ is $A$.
II. No H is T .
III. No $A$ is $H$.

Ans $X 1$. Only conclusion I follows
X 2. All conclusion follows
X 3. Only conclusion II follows
4. Neither conclusion follows
Q. 2 In the following question, four number pairs are given. In each pair the number on left side of $(-)$ is related to the number of the right side of $(-)$ with some Logic/Rule /Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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
X 1. 56885-11377
2. $38515-7701$

X 3.74235-14847
4. $82695-16539$
Q. 3 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
TRAP, MMRE, FHIT, YCZI, ?
Ans

1. RYQY
2. RXQX
3. RYQX
4. RXQY
Q. 4 In the following question, select the missing number from the given series. 34, 71, 108, 145, ?, 219

Ans

1. 160
2. 182
3. 180
4. 172
Q. 5 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Six : Hexagon :: ?
Ans
5. Four: Rectangle
6. Four: Pentagon
$\chi$ 3. Three: Square
7. Seven: Octagon
Q. 6 Pointing towards a lady in a photo, Rinku said, "She is my son's sister's mother". How that lady is related to Rinku?
Ans
<1. Daughter
$X$ 2. Daughter in law
X 3. Sister
8. Wife
Q. 7 In the following question, select the odd letter/letters from the given alternatives.

Ans

1. KLIO
2. RSPT
3. VWTX
4. HIFJ
Q. 8 Select the option figure in which the given figure is embedded. (Rotation is NOT allowed).


Ans

$\checkmark 2$.

$\times 3$.

$\times 4$.

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


Ans
$\times 1$.

$\times 2$.

$\checkmark 3$.

$\times 4$.

Q. 10 In the following question, select the related letters from the given alternatives.

PM : RO :: BC : ?
Ans

1. DE

X 2. ZA
X 3.JK
4. XY
Q. 11 After interchanging which two signs and two numbers (Not digits), the value of the given expression will be ' 45 '?
$10 \times 8 \div 6-2+4$
Ans
X1. + and,- 8 and 6
<2. + and $\times, 10$ and 4
$3 . \div$ and,- 10 and 8
4. $\div$ and,- 4 and 8
Q. 12 In a certain code language, 'ONLINE + THEIR' is coded as '11', 'FREE + NEW' is coded as ' 7 '. What is the code for 'HELP + STUDENTS' in that code language?

Ans
X 1.10

- 2.12
- 3.8
4.6
Q. 13 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)
(182, 79, 378)
$(345,16,604)$
Ans

1. $(79,18,178)$
2. $(53,72,82)$
3. $(68,79,193)$
4. $(84,64,84)$
Q. 14 How many cycles are not pedals?


Ans
$\times 1.8$

- 2. 11
$\times 3.7$
$\times 4.5$
Q. 15 In a certain code language, 'PRINTS' is coded as 'QRLHQO'. What is the code for 'STRICT' in that code language?

Ans
X1.RAGSQR
2. RAGQSR
3. RAQGSR
4. RGAQSR
Q. 16 In the following question, four number pairs are given. In each pair the number on left side of $(-)$ is related to the number of the right side of $(-)$ with some Logic/Rule /Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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
X1.9-810
2. 11-1452
3.7-392
4. $13-2368$
Q. 17 If $13 @ 2$ \# $5=10$ and $43 \# 9 @ 16=50$, then $8 @ 6 \# 3=$ ?

Ans $\times 1.7$

- 2.11

X 3.10
4.8
Q. 18 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans

$\times 2$

$\times 3$.

$\times 4$.

Q. 19 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation. Uttar Pradesh : Lucknow :: ?
Ans
X 1. Sikkim : Trivandrum
X 2. Rajasthan: Sikar
3. West Bengal : Kolkata

X 4. Chennai : Tamil Nadu
Q. 20 In the following question, select the odd word pair from the given alternatives.

Ans
X 1. Ottawa - Canada
2. Karachi - Pakistan

X 3. Rome - Italy
X 4. Canberra - Australia
Q. 21 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans

$\times 2$

$\times 3$


- 4

Q. 22 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Lean
2. League
3. Lecture
4. Layout
5. Leftist

Ans
X 1.4, 2, 3, 1, 5
X 2.2,1,5,3, 4
3. 4, 2, 1, 3, 5
<4.4, 2, 1, 5, 3
Q. 23 Select the option that is related to the sixth number in the same way as the first number is related to the second number and third number is related to fourth number. 319 : 552 :: 146 : 379 :: ? : 774
Ans
X 1.535
X 2.639

- 3.541
$\times 4.479$
Q. 24 Select the figure from the given options that can replace the question mark (?) in the following series.


Ans

$-2$.

$\times 3$

$\times 4$.

Q. 25 How many quadrilaterals are there in the given figure?


Ans
X1. 24
2. 26
$\times 3.22$
X4. 20

## Section : Quantitative Aptitude

Q. 1 If $\tan \mathrm{A}=3 / 7$, then what is the value of $\operatorname{cosec} \mathrm{A}$ ?

Ans

1. $\frac{2 \sqrt{10}}{3}$
2. $\frac{7 \sqrt{10}}{20}$
3. $\frac{\sqrt{58}}{3}$
4. $\frac{3}{\sqrt{58}}$
Q. 2 A 1800 metres long train crosses a man walking in opposite direction in 10 seconds. If the speed of train is 8 times to the speed of man, then what is the speed of train?

Ans

1. $576 \mathrm{~km} / \mathrm{hr}$
2. $640 \mathrm{~km} / \mathrm{hr}$
3. $596 \mathrm{~km} / \mathrm{hr}$

X4. $570 \mathrm{~km} / \mathrm{hr}$
Q. 3 Distance of a chord RS from the centre is 20 cm , If the length of this chord is 30 cm , then what will be the diameter of this circle?
Ans
$\times 1.45 \mathrm{~cm}$
X2. 55 cm
X 3. 60 cm
-4. 50 cm
Q. 4 The bar graph given below shows the sales of books (in thousand number) from six branches - B1, B2, B3, B4, B5 and B6 of a publishing company during two consecutive years 2000 and 2001.
Find the percentage (approximate) of the average sales of branches B2, B4 and B6 in the year 2001 to the average sales of branches B1, B3 and B5 in the year 2001 .


Ans
X 1. $97.95 \%$
X 2. $82.26 \%$

- 3. $77.42 \%$

X4. $92 \%$
Q. 5 If $\frac{(17)^{3}-(7)^{3}}{\left(17^{2}+7^{2}+k\right)}=10$, then what is the value of k ?

Ans

1. 102
-2. 119
$\times 3.136$
$\times 4.85$
Q. 6 What is the value of $4^{2}-3^{2}+6^{2}-5^{2}+8^{2}-7^{2}+\ldots \ldots .92^{2}-91^{2}$ ?

Ans
$\times 1.4272$
2. 4280
3. 4278
4. 4275
Q. 7 Rs. 43,120 is divided among $P, Q$ and $R$ such that $P$ 's share is $4 / 7$ of total share of $Q$ and $R$ together and $Q$ 's share is $2 / 5$ of total share of $P$ and $R$ together. What is the share of $R$ ?

Ans

1. Rs. 15120
2. Rs. 14220
3. Rs. 16400
X. Rs. 18050
Q. 8 The bar graph given below shows the number of girls in 7 schools.


The number of girls in A is what percent of the number of girls in F ?
Ans
$\times 1.100$ percent
2. 200 percent
$\times$ 3. 150 percent
$\times 4.50$ percent
Q. 9 A merchant marks the price of his article 20 percent above the cost price. If he allows 10 percent discount, then what is the profit or loss percentage?

Ans

1. 8 percent profit
2. 3.33 percent loss
3. 6 percent loss
4. 5 percent profit
Q. 10 Three metallic cubes whose sides are $6 \mathrm{~cm}, 8 \mathrm{~cm}$ and 10 cm respectively are melted and converted into a single cube. If there is no loss of metal in this process, then what is the length of the side of the new cube?
Ans
5. 16 cm
6. 14 cm
7. 12 cm
8. 20 cm
Q. 11 The average of marks obtained by X and Y is 35 less than the average marks obtained by Y and Z . If the marks obtained by Z is 85 , what is the marks obtained by X ?
Ans
9. 155
10. 15

X 3.35
X4. 25
Q. 12 P sells a bottle to $Q$ at a profit of 30 percent and $Q$ sells it to $R$ at a profit of 20 percent. What is the ratio of cost prices of $P$ and $R$ ?

Ans
X 1. $24: 35$
2. $25: 39$

X 3. $12: 17$
4. $13: 19$
Q. 13 A man borrows a sum of Rs. 12,000 which amounts to Rs.13,200 in 2 years on simple interest. What would have been the amount if the rate of interest was doubled?
Ans

1. Rs. 13,400
2. Rs. 14,400
3. Rs. 12,400
4. Rs. 14,000
Q. 14 What is the value of $\frac{\tan \theta-\sec \theta+1}{\tan \theta+\sec \theta-1}$ ?

Ans
$x 1 \cdot \sec \theta+\tan \theta$
2. $\frac{(1+\sin \theta)}{\cos \theta}$
3. $2 \sec \theta$
4. $\frac{\cos \theta}{(1+\sin \theta)}$
Q. 15 If $A=\frac{18 \div 9 \times 4}{15 \div 3 \times 5}$ and $B=\frac{18 \div 36 \times 3+5 \times 1-6}{18 \div 6 \times 20-3 \times 4+12}$, then what is the value of $(A+B)$ ?

Ans
$\times 1.137 / 600$
2. $23 / 100$
3. $187 / 600$
4. $197 / 600$
Q. 16 Raman spends 50 percent of his income. If his income increases by 10 percent and the expenditure also increases by 10 percent, then what will be the percentage increase in his savings?

Ans

1. 20 percent

X 2. 16.66 percent
3. 10 percent
4. 8.33 percent
Q. 17 Two identical circles intersect each other such that each passes through the centre of the other. Length of common chord is $16 \sqrt{3} \mathrm{~cm}$. What is the radius of each circle?

Ans
16 cm
2. $16 \sqrt{ } 3 \mathrm{~cm}$
$3.16 \sqrt{ } 2 \mathrm{~cm}$
4. $8 \sqrt{ } 3 \mathrm{~cm}$
Q. 18 A alone can complete the project in 10 days; B alone can complete it in 20 days while C alone can complete it in 30 days. They together earn Rs. 1,100 for the project. By how much do the total earnings of $A$ and $C$ exceed the earnings of B ?
Ans

1. Rs. 600
2. Rs. 900
3. Rs. 700
4. Rs. 500
Q. 19 The line chart given below shows the number of girls in 7 schools.


What is the difference between number of girls in school G, H and I together and the number of girls in school J, K, I and M together?

Ans
$\times 1.400$
2. 50
-3. 100
X4. 200
Q. 20 What is the value of $\frac{\cot 60^{\circ}-\cot 30^{\circ}}{1+\cot 60^{\circ} \cdot \cot 30^{\circ}}$ ?

Ans

1. $1 / \sqrt{3}$
2. $\sqrt{3}$
3. $-\sqrt{3}$
4. $-1 / \sqrt{3}$
Q. 21 The pie chart given below shows the number of girls in six schools. The total number of girls in all these six schools are 4000. Number of girls in a particular school is shown as a percentage of total number of girls in all these six schools.


What is the value of central angle formed by sector $F$ ?
Ans
$X$ 1. 48.4 degree
$\times$ 2. 72.3 degree
$X$ 3. 31.4 degree
4. 61.2 degree
Q. 22 Angle subtended by a chord $A B$ on the circumference is 90 degree. If radius of this circle is 8 cm , then what is the length of $A B$ ?

Ans

1. 16 cm
2. 18 cm
3. 14 cm
4. 12 cm
Q. 23 In $\Delta \mathrm{STU}, \mathrm{SE}$ and TF are medians intersect each other at O . If $\mathrm{UT}=34 \mathrm{~cm}, \mathrm{TF}=22.5 \mathrm{~cm}$ and $\mathrm{SE}=24 \mathrm{~cm}$, then what is the value of $\angle \mathrm{TOE}$ ?

Ans
$\times 1.75$ degree
X 2. 60 degree
X 3. 45 degree
4. 90 degree
Q. 24 Which of the following is largest among $(125)^{\frac{1}{6}},(11)^{\frac{1}{3}},(12)^{\frac{1}{6}},(5)^{\frac{1}{4}}$ ?

Ans

1. $(12)^{\frac{1}{6}}$

X2. $(11)^{\frac{1}{3}}$
จ3. $(125)^{\frac{1}{6}}$
$\times 4$
(5) $\frac{1}{4}$
Q. 25 If $a+\frac{1}{a}=4$, then what is the value of $a^{4}+\frac{1}{a^{4}}$ ?

Ans
X1. 206
$\checkmark$ 2. 194
X 3. 204
$\times 4.198$

Section : General awareness
Q. 1 As per Global Hunger Index (GHI) 2022, India ranks at $\qquad$ position.
Ans
X 1.57th
X 2. 77th
X 3.97 th

- 4. 107th
Q. 2 What is the full form of EPROM?

Ans
X 1. Erasable Permanent Read Only Memory
X 2. Entire Programmable Read Only Memory
3. Erasable Programmable Read Only Memory
4. Entire Permanent Read Only Memory

## Q. 3 Which of the following is monoatomic?

Ans

1. Nitrogen
2. Oxygen
3. Chlorine
4. Helium
Q. 4 Which of the following persons has been awarded the Nobel Peace Prize?

Ans

1. C. V. Raman
2. Kailash Satyarthi
3. Amartya Sen
4. Rabindranath Tagore
Q. 5 Gandhiji, aged $\qquad$ , arrived in India in 1915 from South Africa.
Ans
< 1.52
5. 46
$\times 3.28$
X 4.34
Q. 6 Which among the following is a viral disease?

Ans

1. Chicken pox
2. Tuberculosis
3. Whooping Cough
4. Malaria
Q. 7 Which of the following is NOT a valid file format in MS-PowerPoint $\mathbf{3 6 5 ?}$

Ans
X 1. .pptm

- 2. .pwpt

X 3. .ppt
X 4. .pptx
Q. 8 The First Amendment Act, 1951 of the Indian constitution added which of the following schedules?
Ans

1. Tenth schedule
2. Ninth schedule
$X$ 3. Eleventh schedule
X 4. Seventh schedule
Q. 9 The asteroid belt lies between which two planets?

Ans
$X$ 1. Jupiter and Saturn
2. Mars and Jupiter

X 3. Saturn and Uranus
4. Mercury and Venus
Q. 10 Which among the following is not an All India Financial Institution?

Ans

1. ICICI Bank
2. National Bank for Agriculture and Rural Development
3. National Housing Bank
4. Export - Import Bank of India
Q. 11 Qawwali was brought in India from $\qquad$ -.
Ans
( 1. Turkey
X 2. Mongolia
X 3. Saudi Arabia
5. Persia
Q. 12 Which country won the FIFA U-20 World Cup 2019?

Ans
X 1. Poland
X 2. Norway
3. Ukraine
4. South Korea
Q. 13 The approximate length of the Great Himalayan range, also known as the central axial range, is $\qquad$ km from east to west.
Ans

1. 2800
2. 2500
$\times 3.3000$
$\times 4.2100$
Q. 14 What is the name of the mascot for 36th National Games, 2022?

Ans

1. Chanakya
2. Kojima
3. Manikarnika
4. Savaj
Q. 15 Identify the person from the given statements.

He founded e-commerce giant Amazon in 1994 out of his garage in Seattle. He stepped
down as CEO to become executive chairman in July 2021.
Ans
( 1. Jack Ma
X 2. Steve Jobs
3. Jeff Bezos
4. Elon Musk
Q. 16 Western ghats are locally known as $\qquad$ in Maharashtra.
Ans

1. Sahyadri
2. Vindhya
3. Khadar
4. Gondwana
Q. 17 If there are $\mathbf{N}$ firms in the economy, each assigned with a serial number from 1 to $\mathbf{N}$, then as per the product method, GDP can be written as $\qquad$ _.

Ans
X 1. GVA $_{1}-$ GVA $_{2} \ldots . .-$ GVA $_{N}$
2. $\mathrm{NVA}_{1}+\mathrm{NVA}_{2} \ldots . .+\mathrm{NVA}_{N}$
$\checkmark$
3. $\mathrm{GVA}_{1}+\mathrm{GVA}_{2} \ldots . .+\mathrm{GVA}_{N}$
4. $\mathrm{GVA}_{1}+\mathrm{NVA}_{2}+\mathrm{GVA}_{3}+\mathrm{NVA}_{4} \ldots .$.
Q. 18 National Highways Infra Trust (NHAI InvIT) bonds introduced by Union Minister of Transport and Highways in October 2022 will provide a effective yield of $\qquad$ percent each year.
Ans
X1.6.05
2. 9.05
3. 7.05
4. 8.05
Q. 19 India won the only bronze medal in which team sports at Tokyo Olympics 2020 held in 2021?

Ans
X 1. Table Tennis
X 2. Basketball
3. Field hockey

X4. Badminton
Q. 20 What is the average height of inner Himalayas?

Ans

1. 6000 metres
2. 4500 metres
$\times 3.5200$ metres
< 4.7100 metres
Q. 21 Article 350A of the Indian constitution is related with

Ans

1. Special officers for linguistic minorities
2. Facilities for instruction in mother-tongue at primary stage
3. Direction for development of the Hindi language
4. Language to be used in Supreme Court and High Courts of India
Q. 22 What is the percentage of carbon dioxide in the air exhaled by human lungs?

Ans
X 1.3 .2 percent
X 2. 5.9 percent
X 3. 2.3 percent
4. 4.4 percent
Q. 23 Which Indian cricketer is also known as Little Master?

Ans
X 1. Umesh Yadav
2. Virat Kohl
3. Sunil Gavasker
4. Kapil Dev
Q. 24 When was Alluri Sitarama Raju arrested ending a two-year armed tribal struggle?

Ans

1. May 1924
2. January 1921
3. April 1919
4. December 1929
Q. 25 Which Indian festival celebrates the birth anniversary of spiritual leader Padmasambhava, founder of Tibet Tantric Buddhism?
Ans
X 1. Bakrid
5. Losar
6. Gurpurab
7. Hemis

| Combined Higher Secondary Level Examination Tier I 2022 |  |
| :--- | :--- |
| Roll Number |  |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $21 / 03 / 2023$ |
| Exam Time | 5 5112 PM - 6:15 PM |
| Subject | CHSL Exam 2022 Tier I |

## Section : English Language

Q. 1 Choose the word that can substitute the given group of words..
A speech made without preparation
Ans $\times$ 1. Parable
$\times$ 2. Eulogy

| 3. Extempore |
| :--- |
| 4. Chronicle |
| Question ID : 264330124596 |
| Status : Answered |

Chosen Option: 3
Q. 2 Fill in the blank with an appropriate option. Your ear has three main $\qquad$ : outer, middle and inner.

Ans

1. parts
2. subjects
3. plugs
4. events
Q. 3 Select the correct indirect form of the given sentence. Lee said to his wife, "I am very happy today."

Ans

1. Lee told his wife that he was very happy today.
2. Lee told his wife that he has been very happy that day.
3. Lee told his wife he was very happy today.
4. Lee told his wife that he was very happy that day.

## Q. 4 Rearrange the parts of the sentence in correct order.

$P$. bendable electronics and sensing technologies research
Q. people using "aerohaptics", creating feelings of touch with jets of air
R. my colleagues and I working in the University of Glasgow's
S. group have now developed a system of holograms of

Ans

1. QPSR
2. RPSQ
3. PQRS
4. SRQP
Q. 5 Choose the incorrectly spelt word.

Ans
$\times 1$. Morning
X 2. Washing
X 3. Calling
4. Burnig
Q. 6 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'. Its impossible to conduct truly causal research on media consumption and suicide.

Ans

1. Its impossible to conduct
2. media consumption and suicide.
3. No error
4. truly causal research on
Q. 7 Choose the word that can substitute the given group of words. Exaggerated claims, not meant to be taken seriously

Ans
X 1. Hyperpyrexia
2. Hyperbole
3. Hypergamy
4. Hyperreal
Q. 8 Select the correct passive form of the given sentence. The child locked the shutters.

Ans

1. The shutters were locked by the child.
$\chi$ 2. The shutters are locked by the child.
$X$ 3. The shutters would be locked by the child.
2. The shutters had been locked by the child.
Q. 9 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
What is the price of this fancy dress pink?
Ans
3. fancy dress pink?
4. No error
5. price of this
6. What is the
Q. 10 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
As hard as nails
Ans
X 1. To be stubborn
$\times$ 2. To feel no pain
7. Physically or mentally tough
$\times 4$
8. Hard working
Q. 11 Choose the sentence with no spelling error.

Ans

1. These componants can work independently.
2. These components can work indepedently.
3. These components can work independently.
4. These components can wrok independently.
Q. 12 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
The number of women working outside homes has been steady increasing.
Ans
5. has been steadily
6. had been steadier
7. No improvement
8. have been steady
Q. 13 Fill in the blank with the most suitable word.

The $\qquad$ heard that the relationship was stormy and had broken up several times.
Ans

1. inquiry
2. impute
3. inordinate
4. impugn
Q. 14 Select the word that is opposite in meaning (ANTONYM) to the word given below. Fret
Ans
5. Anxious
6. Anguish
7. Relax
8. Pine
Q. 15 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
The whys and wherefores
Ans
$\chi 1$. References
9. Circumstances
10. Requirements
11. Reasons
Q. 16 Choose the word that means the same as the given word. Enigmatic
Ans
12. Literate
13. Grumpy
14. Illiterate
15. Mysterious
Q. 17 Select the word that is closest in meaning (SYNONYM) to the word given below. Decimate
Ans
16. mend
17. wreck
18. harbour
19. establish
Q. 18 Fill in the blank with the most suitable word.

The humour of the gods is cruel; or $\qquad$ they see more than we do.
Ans
X 1. unlikely
X 2. odds
2. perhaps
$\times 4$.
4. however
Q. 19 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
I didn't have times to watch the whole movie.
Ans

1. time to watch
2. timer to watched
3. time to watching
4. No improvement
Q. 20 Choose the word that means the same as the given word. Oblate

Ans

1. Mendicant
2. Heathen
3. Layperson
4. Secular

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. According to the Integrated Taxonomic Information System (ITIS) there are more than 60 (1) $\qquad$ of rat, which means they come in all sizes. They are (2) $\qquad$ 5 inches (12 centimeters), or longer, according to Encyclopedia Britannica. The largest species is the Bosavi woolly rat, which was (3) $\qquad$ in 2009 doesn't have a scientific name yet). It is (4)__ the size of a cat - 32.2 inches ( 82 cm ) from nose to tail and (5) $\qquad$ around 3.3 lbs. ( 1.5 kilograms), according to CNN.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in blank number 1.

Ans

1. entities
2. sections
3. species
4. objects

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives. According to the Integrated Taxonomic Information System (ITIS) there are more than 60 (1) $\qquad$ of rat, which means they come in all sizes. They are (2) $\qquad$ 5 inches (12 centimeters), or longer, according to Encyclopedia Britannica. The largest species is the Bosavi woolly rat, which was (3) $\qquad$ in 2009 in the rainforest of Papua New Guinea (and doesn't have a scientific name yet). It is (4) around 3.3 lbs . ( 1.5 kilograms), according to CNN. from nose to tail and (5) $\qquad$
SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in blank number 2.

Ans
X 1. modestly
X 2. manually
3. typically
4. surgically

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
According to the Integrated Taxonomic Information System (ITIS) there are more than 60
(1) $\qquad$ of rat, which means they come in all sizes. They are (2) $\qquad$ 5 inches (12 centimeters), or longer, according to Encyclopedia Britannica. The largest species is the Bosavi woolly rat, which was (3) $\qquad$ in 2009 in the rainforest doesn't have a scientific name yet). It is (4)___ the size of a cat - 32.2 inches ( 82 cm ) from nose to tail and (5) $\qquad$ around 3.3 lbs . ( 1.5 kilograms), according to CNN.

SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans

1. discovered
2. invented
3. denuded
4. screened

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
According to the Integrated Taxonomic Information System (ITIS) there are more than 60
(1) of rat, which means they come in all sizes. They are (2) $\qquad$ 5 inches (12 centimeters), or longer, according to Encyclopedia Britannica. The largest species is the Bosavi woolly rat, which was (3) $\qquad$ in 2009 in the rainforest of Papua New Guinea (and doesn't have a scientific name yet). It is (4) around 3.3 lbs ( 1.5 kilograms), according to CNN.
from nose to tail and (5) $\qquad$
SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in blank number 4.

Ans
X 1. a lot
$\times 2$. of
3. about
$\times 4$. some

## Comprehension:

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.
According to the Integrated Taxonomic Information System (ITIS) there are more than 60
(1) $\qquad$ of rat, which means they come in all sizes. They are (2) $\qquad$ 5 inches (12 centimeters), or longer, according to Encyclopedia Britannica. The largest species is the Bosavi woolly rat, which was (3) $\qquad$ in 2009 in the rainforest of Papua New Guinea (and
doesn't have a scientific name yet). It is (4) $\qquad$ the size of a cat - 32.2 inches ( 82 cm ) from nose to tail and (5) $\qquad$ around 3.3 lbs . ( 1.5 kilograms), according to CNN.

SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans
X 1. evaluates
2. weighs
$X$ 3. counts
$\times 4$. measures

## Section : General Intelligence

Q. 1 In the following question, select the odd letter/letters from the given alternatives.

Ans

- 1. GJJL

X 2. EHHK
X 3.ADDG
4. VYYB
Q. 2 Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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)
(14, 17, 970)
$(15,23,1508)$
Ans

1. $(17,24,1730)$
2. $(16,22,1580)$

X $3 .(18,32,2686)$
4. $(19,31,2642)$
Q. 3 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans

2.

$\times 3$.

Q. 4 In a certain code language, 'BOLT' is coded as '2965', 'DOLE' is coded as ' 5723 ', 'TADY' is coded as ' 0368 ', 'MASB' is coded as '4819'. What is the code for 'BTO' in that code language ?
Ans

1. 962
2. 865
3. 482
4. 958
Q. 5 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)
$\Delta$
Ans
$\times 1$

$\times 2$.

$\times 3$.

5. 


Q. 6 If ' $P$ ' means ' $x$ ', ' $Q$ ' means ' + ', ' $R$ ' means ' $\div$ ' and ' $S$ ' means ' - ', then 56 R 8 Q13 S 42 R 21 P $5=$ ?

Ans
X 1.12
$\times 2.8$
$\times 3.24$
-4. 10
Q. 7 Select the figure from the given options that can replace the question mark (?) in the following series.


Ans

$\times 1$| $\div$ |  |
| ---: | ---: |
| $\Delta$ | $R$ |

$\times 2$

$\times 3$.

$\checkmark 4$

Q. 8 In the following question, select the odd word pair from the given alternatives.

Ans

1. Write - Pen

X 2. Magnify - Microscope
X 3. Dig - Spade
4. Gun - Shoot
Q. 9 In the following question, select the related letters from the given alternatives EI : DF :: HM :?
Ans
X 1. ZJ
2. GJ

X 3. ST
X 4. LT
Q. 10 If a mirror is placed on the line AB , then out of the option figures which figure will be the right image of the question figure?


Ans

Q. 11 In the following question, four number pairs are given. In each pair the number on left side of $(-)$ is related to the number of the right side of $(-)$ with some Logic/Rule
/Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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. $24-575$

X 2. 14-197
X 3.12-145
X4.18-325
Q. 12 Arrange the given words in the sequence in which they occur in the dictionary.

1. Manger
2. Mango
3. Mangrove
4. Manage
5. Manager

Ans

1. $4,5,3,2,1$
2. $4,5,1,2,3$
3. 4, 5, 3, 1, 2
4. $4,5,1,3,2$
Q. 13 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

## Statements:

I. All Fruits are Vegetables.
II. All Vegetables are Almond.

Conclusions:
I. Some Vegetables are Fruits.
II. All Almond are Vegetables.
III. Some Fruits are Almond.

Ans

1. Both conclusions II and III follows
2. All conclusion follows

X 3. Both conclusions I and II follows
4. Both conclusions I and III follows
Q. 14 In the following question, select the missing number from the given series.

10, 10, 20, 60, 240,?
Ans

1. 1150
2. 1400
3. 1200
4. 1440
Q. 15 Words given on the left side of (::) are related with each other by some Logic/Rule
/Relation. Select the missing word/word pair on the right side of (::) from the given
alternatives based on the same Logic/Rule/Relation.
Plumbline : Mason :: ?
Ans
X 1. Stethoscope: Sculptor
5. Saw: Carpenter
6. Author: Pen
7. Warrior: Sword
Q. 16 Find the total number of triangles in the figure.


Ans
$\times 1.18$
2. 24
$\times 3.16$
X4. 26
Q. 17 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans

$\times 2$

$\times 3$

$\checkmark 4$.

Q. 18 In a certain code language, 'BOUCLE' is coded as 'AJYSKZ'. What is the code for 'BOUDIN' in that code language ?

Ans
X 1.JGGSKZ
< 2. JGZKSZ
3. JGZSKZ

X 4. JGJSKB
Q. 19 Select the Venn diagram that best represents the relationship between the following classes.

Mango, Fruit, Banana
Ans
$\times 1$

$\times 2$.

$\times 3$.


- 4. 


Q. 20 In the following question, four number pairs are given. In each pair the number on the left side of $(-)$ is related to the number on the right side of $(-)$ with some Logic/Rule /Relation. Three pairs are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives. (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. $13-163$
2. $9-77$

X 3.18-320
X4.24-572
Q. 21 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
PHDT, PDVH, ?, PVFJ, PRXX
Ans
X 1. PXNV
2. PZNV

X 3. PZMV
4.PZNY
Q. 22 Select the option that is related to the fourth number in the same way as the first number is related to the second number and fifth number is related to sixth number.
15: 210 :: ? : 90 :: 20 : $\mathbf{3 8 0}$
Ans

1. 10
2. 8
3. 18
4. 12
Q. 23 Words given on the left side of (::) are related with each other by some Logic/Rule /Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.
Horse : Mare :: ?
Ans
$X$ 1. Nephew : Uncle
$X$ 2. Son: Father
5. Brother: Sister

X 4. Cow: Bull
Q. 24 By interchanging which two signs and two numbers ( not digits) the equation will be correct?
$7-5 \times 2+8 \div 4=17$
Ans
X1. - and $\div, 8$ and 5
$\times 2 . \times$ and $\div, 5$ and 4
3. + and -, 4 and 5
4. + and,- 7 and 5
Q. 25 Pointing towards a photo of a lady, Pawan said, "She is the sister of my mother's daughter". How that lady is related to Pawan?
Ans
X 1. Mother
X 2. Maternal Aunt
3. Sister
$X$ 4. Daughter in law

[^1]Q. 1 If $\mathrm{A}=\cot 30^{\circ} \tan 60^{\circ}+\cot 60^{\circ} \tan 30^{\circ}$, then what is the value of A ?

Ans

1. $1 / \sqrt{3}$
2. $10 / 3$
3. $10 / \sqrt{3}$
4. $1 / 3$
Q. 2 A person borrows Rs. 20000 at the rate of 6 percent per annum on simple interest for 3 years. He immediately lends it to another person at the rate of 8.5 percent per annum on simple interest for 3 years. What is the value of gain per year?

Ans

1. Rs. 1500
2. Rs. 500
3. Rs. 800
4. Rs. 200
Q. 3 The bar graph given below shows the sales of bikes and cars of five companies.


P1 = The difference between the average sales of bikes and average sales of cars of all 5 companies.
P2 = The total value of the sales of bikes and cars of all 5 companies.
What is the value of $(\mathrm{P} 2-\mathrm{P} 1)$ ?
Ans
X1. 5320
$\times 2.4926$
X 3. 6100
4. 5920
Q. 4 The cost price of 44 items is the same as the selling price of $x$ items. If the profit is $10 \%$, then what is the value of $x$ ?

Ans $\times 1.55$
2. 40

X 3. 60
+4. 50
Q. 5 Tangent drawn from a point X , touches the circle at U . O is the centre of this circle. If $\mathrm{XU}=15 \mathrm{~cm}$ and $\mathrm{OU}=8 \mathrm{~cm}$, then what is the value of OX ?
Ans
$\times 1.12 \mathrm{~cm}$
2. 19 cm
3. 21 cm
4. 17 cm
Q. 6 If $\left(x-\frac{1}{x}=4\right)$, then what is the value of $\left(x^{6}+\frac{1}{x} 6\right)$ ?

Ans
X1. 4689
$\times 2.4786$
$\times 3.5832$
4. 5778
Q. 7 A solid sphere of diameter 7 cm is cut into two equal halves. What will be the increase in its total surface area?

Ans

1. $77 \mathrm{~cm}^{2}$
2. $60.5 \mathrm{~cm}^{2}$
3. $65.5 \mathrm{~cm}^{2}$
4. $55 \mathrm{~cm}^{2}$
Q. 8 The following histogram shows the weekly wages of workers at a factory.

How many workers get wages of more than Rs.200?


Ans
X1. 95
2. 85
$\times 3.70$
$\times 4.80$
Q. 9 Angle subtended by a chord on the centre of a circle is 180 degree. What will be the angle subtended by the same chord on the circumference of this circle?
Ans
X 1. 120 degree
X2. 95 degree
3. 90 degree

X4. 45 degree
Q. 10 What is the value of $\left(k+\frac{1}{k}\right)\left(k-\frac{1}{k}\right)\left(k^{2}+\frac{1}{k^{2}}\right)\left(k^{4}+\frac{1}{k^{4}}\right)$ ?

Ans
x 1. $\mathrm{k}^{16}+\frac{1}{\mathrm{k}^{16}}$
X 2. $\mathrm{k}^{16}-\frac{1}{\mathrm{k}^{16}}$
3. $\mathrm{k}^{8}-\frac{1}{\mathrm{k}^{8}}$

X4. $\mathrm{k}^{8}+\frac{1}{\mathrm{k}^{8}}$
Q. 11 A train starts from a place 5 at 10:00 a.m. and arrives at another place $T$ at 2:30 p.m. on the same day. If the speed of the train is $40 \mathrm{~m} / \mathrm{s}$, then what will be the distance covered by the train?

Ans
X 1. 706 km
2. 648 km
3. 726 km
4. 616 km
Q. 12 If price of rice is increased by 25 percent, then by what percentage consumption of rice should be decreased so that the expeaditure incurred on rice gets decreased by 40 percent?

Ans

1. 52 percent
2. 43.33 percent
3. 42 percent
4. 48 percent
Q. 13 Two vessels of equal capacity contain juice and water in the ratio of $3: 5$ and $3: 1$ respectively. The mixture of both the vessels are mixed and transferred into a bigger vessel. What is the ratio of juice and water in the new mixture?
Ans
5. $13: 9$
6. $9: 7$
7. $8: 9$
8. $7: 3$
Q. 14 The bar graph given below shows the number of eraser sold by two shopkeepers $P$ and $Q$ in 5 months.


Which of the following statement is NOT correct?
I. The ratio of total number of eraser sold by P in J and K to the total number of eraser sold by Q in M and N is $93: 98$.
II. The difference between the total number of eraser sold by P and Q is 0

Ans
$X$ 1. Only II
X 2. Both I and II
3. Only I

X 4. Neither I nor II
Q. 15 If $a+b=6$ and $a b=4$, then what is the value of $a^{3}+b^{3}$ ?

Ans
$\times 1.125$
$\times 2.120$
ง. 3.144
X4.81
Q. 16 Sum of the angles made by a chord at the centre and on the major arc of a circle is 180 degree. What will be the angle made at the centre of the circle?

Ans

1. 60 degree
2. 90 degree
3. 75 degree
4. 120 degree
Q. 17 Two medians $J X$ and $K Y$ of $\triangle J K L$ intersect each other at $Z$ at right angles. If $K L=22 \mathrm{~cm}$ and $K Y=12 \mathrm{~cm}$, then what is the length of $J X$ ?

Ans
X1. $6 \sqrt{19} \mathrm{~cm}$
2. $3 \sqrt{57} \mathrm{~cm}$

X3. $2 \sqrt{57} \mathrm{~cm}$
X4. $4 \sqrt{19} \mathrm{~cm}$
Q. 18 The marked price of an item was Rs. 480 but the shopkeeper offered a discount of $5 \%$. At what price does he finally sell the item?
Ans
X 1. Rs. 435
X 2. Rs. 450
X 3. Rs. 466
4. Rs. 456
Q. 19 If $\tan \theta+\sin \theta=A$ and $\tan \theta-\sin \theta=B$, then what is the value of $A^{2}-B^{2}$ ?

Ans

1. $\tan \theta \sin \theta$
2. $4 \cot \theta$
3. $4 \tan \theta \sin \theta$

X 4. $2 \tan \theta \sin \theta$
Q. $20 \triangle A B C$ is a right angled triangle. $\angle C=90$ degree, $A B=25 \mathrm{~cm}$ and $B C=20 \mathrm{~cm}$. What is the value of sec $A$ ?

Ans

1. $5 / 3$
$\times 2.4 / 5$
X $3.4 / 3$
X4. 5/4
Q. 21 The average marks obtained by 80 students in an examination is 50 . If the average marks of passed students is 55 and the number of students who failed the examination are 30 , then what is the average marks of students who failed the examination?

Ans

1. 41.66
2. 46.66
3. 40.33
4. 52.33
Q. 22 To complete a wall, X takes 50 percent more time than Y . If together they complete the wall in 15 days, then how much time will X alone take to complete it?

Ans
$X 1.36 .5$ days
$\times 2.42 .5$ days
3. 37.5 days

X4. 40 days
Q. 23 The below bar graph shows the number of toys sold by five different shops (i.e, A, B, C, D and E) in the first week and second week.


Find the ratio of the total number of toys sold by shops A, B and C in the first week to the number of toys sold by shops C, D and E in the second week.

Ans

1. 1:13
$\times 2.9: 1$
X 3. 13:9
2. 9:13
Q. 24 Which of the following statement is true?
I. $\frac{5}{11}>\frac{5}{6}$
II. $\frac{5}{9}>\frac{8}{9}$
III. $\frac{5}{6}>\frac{4}{5}$

Ans

1. Only III

X 2. Both I and II
$x$ 3. Only II
X4. Only I
Q. 25 What is the sum of all two digit numbers which are divisible by 9 ?

Ans
$\times 1.565$
X2. 535

- 3. 585

X4. 475
Q. 1 Which among the following is the highest peak of Andaman and Nicobar Islands?

Ans
X 1. Deomali
2. Saddle

X 3. Phawngpui
X 4. Kalsubai
Q. 2 Which of the following provision of the Indian constitution is not borrowed from the constitution of Britain?
Ans

1. Fundamental Rights
2. Legislative procedure

X 3. Bicameralism
X 4. Rule of law
Q. 3 Certain plants have green and tender stems. They are usually short and may not have many branches. What are they called as?
Ans

1. Herbs
2. Shrubs
3. Trees
4. Creepers
Q. 4 On learning about the Jallianwala Bagh massacre, $\qquad$ expressed the pain and anger of the country by renouncing his knighthood.
Ans
X 1. Dadabhai Naoroji
X 2. Badruddin Tyabji
5. Rabindranath Tagore
6. Surendranath Banerji
Q. 5 A megabyte (MB) consists of 1024 $\qquad$ -
Ans
7. Gigabytes
8. Kilobytes
9. Terabytes
10. Bytes
Q. 6 Which of the following pairs of "term - definition" is correct?
I. Strait - a narrow strip of land joining two landmasses
II. Isthmus - a narrow passage of water connecting two large water bodies

Ans
X 1. Only II
X 2. Both I and II
3. Neither I nor II
4. Only I
Q. 7 Which of the following is NOT a play written by Shakespeare?

Ans

1. Antony and Cleopatra
2. The Comedy of Errors
3. The Candlestand
4. Othello
Q. 8 In MS-Excel 365 which of the following shortcut is used to copy the contents and format of the topmost cell of a selected range into the cells below?

Ans
X1. Alt + D
2. $\mathrm{Ctrl}+\mathrm{D}$
3. Alt + C
4. $\mathrm{Ctrl}+\mathrm{C}$
Q. 9 Which dance is performed by women of Maharashtra?

Ans

1. Ghoomer dance
2. Bihu dance
3. Lavani dance
4. Bhangra dance
Q. 10 Which article of the Indian constitution is related with the special provision with respect to the States of Maharashtra and Gujarat?
Ans
5. Article 371
6. Article 386
7. Article 377
8. Article 380
Q. 11 What is the Pradhan Mantri Mudra Yojana?

Ans

1. A loan Scheme
2. A scheme for free medicines
$X$ 3. An insurance Scheme
$X 4$. An employment Scheme
Q. 12 The 'Karmayoddha Granth' book was released by which of the following politician?

Ans

1. Amit Shah
2. Rahul Gandhi
3. Nitin Gadkari
4. Smriti Irani
Q. 13 Which of the following is the largest peninsular river in India?

Ans

1. Krishna
2. Godavari
3. Kaveri
4. Mahanadi
Q. 14 Which of the following pairs of 'elements - valency' is correct?
I. Boron - 2
II. Fluorine - 3

Ans

1. Neither I nor II
2. Both I and II
3. Only II
4. Only I
Q. 15 Which of the following assumptions is made to determine the level of aggregate demand for final goods in the economy?
I. A constant final goods price and constant rate of interest over short run are assumed.
II. The aggregate supply is assumed to be perfectly elastic.

Ans

1. Only II
2. Only I
3. Neither I nor II
4. Both I and II
Q. 16 Who among the following Indian athletes won a Gold medal in 2022 Common Wealth

Games?
I. Saurav Ghosal
II. Anshu Malik

Ans

1. Only I
2. Both I and II
3. Neither I nor II
4. Only II
Q. 17 Which of the following pairs of "sports - medal" is correct regarding performance of India in $\mathbf{2 0 2 0}$ Tokyo Olympic Games?
I. Javelin Throw - Silver
II. Men's Hockey - Gold

Ans
X 1. Only II
2. Neither I nor II

X 3. Both I and II
X 4. Only I
Q. 18 The book titled 'The Immortals of Meluha' is written by

Ans
X 1. Sushil Kumar
X 2. Devdutt Pattanaik
3. Amish Tripathi

X 4. Chetan Bhagat
Q. 19 Ain-i Akbari, a document on life of Mughal ruler Akbar does not contain information about $\qquad$ _.
Ans

1. Revenues
2. Ancestors
3. Army
4. Administration
Q. 20 Which of the following statements is/are NOT correct?
I. The property of metals by which they can be beaten into thin sheets is called malleability.
II. The property of metal by which it can be drawn into wires is called ductility.

Ans

1. Neither I nor II
2. Both I and II

X 3. Only I
4. Only II
Q. 21 Chandigarh International Airport has been renamed as $\qquad$ -.

Ans

1. Manmohan Singh International Airport
2. Shaheed Bhagat Singh International Airport
3. Guru Gobind Singh International Airport
4. Rajguru International Airport
Q. 22 The Sattriya dance form originated in which of the following Indian States?

Ans

1. Assam
2. Tamil Nadu

X 3. Uttar Pradesh
4. Manipur
Q. 23 India has won 8 olympic gold medals in which sport till 2020 ?

Ans
$\times 1$. Boxing
2. Field Hockey

X 3.10 m air rifle
X 4. Wrestling
Q. 24 As of 2022, there are $\qquad$ Union Territories of India.
Ans
$\times 1.10$
$\times 2.9$
3. 7
4. 8
Q. 25 The curve giving the maximum amount of corn that can be produced in the economy for any given amount of cotton and vice-versa. This curve is called the

Ans
< 1. Total revenue curve
2. Indifference curve
3. Production possibility frontier

X 4. Demand curve


[^0]:    Q. 4 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
    We keeps a horse, two cows, and six chickens.
    Ans

    1. has keeps a
    2. keep a
    3. keeping a
    4. No improvement
[^1]:    Section : Quantitative Aptitude

