| Combined Higher Secondary Level Examination Tier I 2022 |  |
| :--- | :--- |
| Roll Number |  |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $13 / 03 / 2023$ |
| Exam Time | $9: 00$ AM - 10:00 AM |
| Subject | CHSL Exam 2022 Tier I |

## Section : English Language

Q. 1 Choose the word that can substitute the given group of words.

The animals of a particular region
Ans

1. Phylum
2. Blossom
3. Fauna
4. Flora
Q. 2 Select the correct indirect form of the given sentence.

The student said to her, "I don't remember your name."
Ans

1. The student said to her that I did not remember her name.
2. The student said to her that he/she cannot remember her name.
3. The student told her that he/she did not remember her name.
4. The student told her that he/she do not remember her name.
Q. 3 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
People who came into contact with the carrier are in danger of catching the disease.
Ans
5. at dangerous of
6. No improvement
7. in danger off
8. in dangers for
Q. 4 Find the part of the given sentence that has an error in it. If there is no error, choose
'No error'.
I will never judge you for yours impromptu performance.
Ans
9. I will never
10. yours impromptu performance.
11. judge you for
12. No error

## Q. 5 Fill in the blank with an appropriate option.

I envy the way she $\qquad$ all tasks with such ease and speed.

Ans

1. carries out
2. dwindles out
$\times$ 3. bring about
X 4. account for
Q. 6 Fill in the blank with an appropriate option. He could feel every $\qquad$ and artery in his body.

Ans
X 1. liver
2. vein
$X$ 3. beat
4. place
Q. 7 Choose the incorrectly spelt word.

Ans
< 1. Roast
2. Ghost
$\times 3$. Malt
4. Holitisc
Q. 8 Given below are four jumbled sentences. Pick the option that gives their correct order. P. Rama, prince of Ayodhya, won the hand of the beautiful princess Sita (seen here), but was exiled with her and his brother Laksmana for 14 years through the plotting of his stepmother.
Q. The allies attacked Lanka, killed Ravana, and rescued Sita. In order to prove her chastity, Sita entered fire, but was vindicated by the gods and restored to her husband. R. After the couple's triumphant return to Ayodhya, Rama's righteous rule (Ram-raj) inaugurated a golden age for all mankind.
S. In the forest Sita was abducted by Ravana, and Rama gathered an army of monkeys and bears to search for her.

Ans
X 1. PQRS
X 2. SQPR
3. QRSP
4. PSQR
Q. 9 Select the word that is opposite in meaning (ANTONYM) to the word given below. Incredible

Ans
X 1 . Strained
2. Far-fetched
3. Implausible
4. Believable
Q. 10 Choose the word that is opposite in meaning to the given word. Vain

Ans

1. Productive
2. Harmony

X 3. Unpredictable
X 4. Calculable
Q. 11 Choose the option that is the correct passive form of the sentence. She ate the last slice of pizza.
Ans
$\times 1$. She had eaten the last slice of pizza.
$X 2$. The last slice of pizza had been eaten by her.
3. The last slice of pizza was eaten by her.
$\times 4$. The last slice was being eaten by her.
Q. 12 Rearrange the parts of the sentence in correct order.
P. my belief that UHC should be seen as the linchpin of the health development agenda
Q. rather than being seen as one target among many, it is
R. not only underpinning a more sustainable approach to the achievement of
S. the other health targets, but allowing for a balance between them

Ans

1. QPRS
2. PQRS

X 3.PRSQ
X 4.SPQR
Q. 13 Choose the word that is opposite in meaning to the given word. Forthright
Ans
Х 1. Artless
2. Uninhibited
3. Uncandid
4. Blunt
Q. 14 Choose the word that means the same as the given word. Domicile

Ans
X 1. Wild
2. Dictator
3. Home
4. Evict
Q. 15 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
The students studied a diagrams of a plant cell.
Ans

1. studied a diagram
2. study a diagrams
3. studying a diagram
4. No improvement
Q. 16 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given. We (opened) on a new travel venture.
Ans
X 1. No correction required
5. Begun
6. Initiated
7. Embarked
Q. 17 Select the most appropriate meaning of the given idiom.

Water under the bridge
Ans
$X 1$. To be very sick.
2. Anything from the past that isn't significant or important anymore.
3. A paranormal sense that allows you to communicate with the dead.
$X 4$. Someone else who takes the blame.
Q. 18 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To keep an eye on
Ans
$X$ 1. To be able to understand everything
2. To see someone in a bad light
3. To watch over closely
4. To keep distance from
Q. 19 Identify the segment in the sentence which contains a grammatical error. If there is no error, then select the option "No error".
If conventional arrangements and/ patterns are made more scarcer, other/ arrangements and patterns will spring up.
Ans
$\chi$ 1. arrangements and patterns will spring up.
2. No error
$X$ 3. If conventional arrangements and
4. patterns are made more scarcer, other

## Q. 20 Choose the sentence with no spelling error.

Ans

1. Many input devises perfrom specific functions.
2. Many input devices perform specific functins.
3. Many input devices perfrpm specfic functions.
4. Many input devices perform specific functions.

## 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.
Fresh pineapple, chilled watermelon, and an icy cold soft drink on a hot summer's day. What do these things have in (1) $\qquad$ ? They all taste so good because of the sweetness the sugar in them provides. When you think of sugar, you probably picture the white (2) $\qquad$ you put in cookies, that your parents put in their coffee, or that you (3) $\qquad$ on your cereal. Actually, this is just one kind of sugar, called sucrose, which is (4) $\qquad$ from sugar cane or sugar beets. Technically, sugar is a carbohydrate that occurs (5) $\qquad$ in every fruit and vegetable.

## SubQuestion No : 21

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

Ans
X 1. tandem
2. common

X 3. collision
$\times$ 4. balance

## 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.
Fresh pineapple, chilled watermelon, and an icy cold soft drink on a hot summer's day. What do these things have in (1) $\qquad$ ? They all taste so good because of the sweetness the sugar in them provides. When you think of sugar, you probably picture the white (2) you put in cookies, that your parents put in their coffee, or that you (3) $\qquad$ on your cereal. Actually, this is just one kind of sugar, called sucrose, which is (4) $\qquad$ from sugar cane or sugar beets. Technically, sugar is a carbohydrate that occurs (5) $\qquad$ in every fruit and vegetable.

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

Ans
X1. rubbles
X 2. capsules
$X$ 3. stones
4. granules

## 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.
Fresh pineapple, chilled watermelon, and an icy cold soft drink on a hot summer's day. What do these things have in (1) $\qquad$ ? They all taste so good because of the sweetness the sugar in them provides. When you think of sugar, you probably picture the white (2) you put in cookies, that your parents put in their coffee, or that you (3) $\qquad$ on your cereal. Actually, this is just one kind of sugar, called sucrose, which is (4) $\qquad$ from sugar cane or sugar beets. Technically, sugar is a carbohydrate that occurs (5) $\qquad$ in every fruit and vegetable.

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

Ans
$\times 1$ raise
2. sprinkle
$X 3$. send
4. place

## 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.
Fresh pineapple, chilled watermelon, and an icy cold soft drink on a hot summer's day. What do these things have in (1) $\qquad$ ? They all taste so good because of the sweetness the sugar in them provides. When you think of sugar, you probably picture the white (2) you put in cookies, that your parents put in their coffee, or that you (3) $\qquad$ on your cereal. Actually, this is just one kind of sugar, called sucrose, which is (4) $\qquad$ from sugar cane or sugar beets. Technically, sugar is a carbohydrate that occurs (5) $\qquad$ in every fruit and vegetable.

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

Ans

1. extracted
$X$ 2. rugged
$\chi$ 3. shelved
X4. excavated

## 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.
Fresh pineapple, chilled watermelon, and an icy cold soft drink on a hot summer's day. What do these things have in (1) $\qquad$ ? They all taste so good because of the sweetness the sugar in them provides. When you think of sugar, you probably picture the white (2) you put in cookies, that your parents put in their coffee, or that you (3) $\qquad$ on your cereal. Actually, this is just one kind of sugar, called sucrose, which is (4) $\qquad$ from sugar cane or sugar beets. Technically, sugar is a carbohydrate that occurs (5) $\qquad$ in every fruit and vegetable.

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

Ans
$X$ 1. fortunately
$X$ 2. mentally
X 3. happily
4. naturally

## Section : General Intelligence

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 red are black.
II. No white is black.

Conclusion:
I. No black is white.
II. No white is red.
III. No black is red

Ans

1. Neither conclusion follows
2. All conclusion follows
3. Only conclusion I follows
4. Both conclusions II and III follows
Q. 2 By interchanging which two numbers (not digits) the given equation will be correct? $13+9 \div 78 \times 27-16=3$
Ans
5. 3 and 78
6. 78 and 27
7. 13 and 78
8. 27 and 16
Q. 3 How many triangles are there in the given figure?


Ans

1. 18
2. 20
(3. 10
3. 12
Q. 4 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)
$(8,9,431)$
$(11,8,1267)$
Ans
X 1. $(9,12,595)$
4. $(13,14,2011)$
5. $(7,5,318)$
6. $(12,10,1528)$
Q. 5 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
$\times 1$

| $A$ | $D$ | $A$ | $D$ |
| :--- | :--- | :--- | :--- |
| 0 | $O$ | 0 | 0 |
| $D$ | $A$ | $D$ | 0 |

$\checkmark 2$.

| $A$ | $D$ | 4 | $D$ |
| :--- | :--- | :--- | :--- |
| $O$ | 0 | 0 | 0 |
| $D$ | 4 | $D$ | 0 |


$\times 3$. | 0 | 0 | 4 | 0 |
| :--- | :--- | :--- | :--- |
| 0 | 0 | 0 | 0 |
| 0 | 4 | 0 | 0 |


$\times 4$. | $O$ | $D$ | $D$ | 4 |
| :--- | :--- | :--- | :--- |
| 0 | 0 | 0 | 0 |
| $D$ | 4 | 0 | $a$ |

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. Chair : Table :: Eraser : ?
Ans

1. Rub
2. Stationery
3. Pencil
4. Student
Q. 7 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans
$\times 1$

$\times 2$.

$\times 3$.

$\checkmark 4$

Q. 8 In the following question, select the odd letter/letters from the given alternatives.

Ans
X1.AXU
2. SPL

- 3. URO

4. NKH
Q. 9 Select the option that is related to the fifth number in the same way as the first number is related to the second number and third number is related to fourth number.
19:359:: 17 : 287 :: 21 :?
Ans
$\times 1.449$
5. 439
6. 441
4.433
Q. 10 Q is the sister of R. $P$ is the father of $Q$. $S$ is the son of $T . R$ is the brother of $S$. How is $T$ related to $\mathbf{P}$ ?

Ans
$\chi$ 1. Daughter in law
2. Daughter
3. Niece
4. Wife
Q. 11 In a certain code language, 'WEIGHS' is coded as 'QHEICW'. What is the code for 'ABUSES' in that code language?

Ans

1. QEQUZA
2. QEQUAZ
3. QEQZUA
4. QEQUAA
Q. 12 Three of the following words are alike in a certain way and one is different. Pick the word that is different from the rest.

Ans

1. Sarangi
2. Telephone
3. Saxophone
4. Xylophone
Q. 13 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
-1.

$\times 2$

$\times 3$.

$\times 4$.

Q. 14 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)
$(14,112,6)$
$(17,204,5)$
Ans

1. $(21,189,12)$

X 2. $(24,145,18)$
X $3 .(9,89,3)$
X4. $(15,135,7)$
Q. 15 In the following question, select the missing number from the given series. 59, 118, 354, 708, 2124,?
Ans

- 1.4350

2. 4248
3. 4148
4. 4250
Q. 16 Select the option that is related to the third word in the same way as the second word is related to the first word.
Computer : Mouse :: Television : ?
Ans
5. Remote
6. Flashlight
7. Marker
8. Pen
Q. 17 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
9. Machine
10. Macabre
11. Machinery
12. Macaroni
13. Machete

Ans

1. $2,4,5,1,3$
2. 2, 5, 1, 3, 4
3. $1,2,3,4,5$
4. $4,1,5,2,3$
Q. 18 In the following question, select the related letters from the given alternatives.

AJN : DMQ :: PTW :?
Ans
X 1. ITE
X 2. MZW
$X$
3. SOH
4. SWZ
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)
(32, 64, 256)
$(18,36,144)$
Ans

1. $(37,74,296)$
2. $(26,52,313)$
3. $(41,82,164)$
4. $(24,72,287)$
Q. 20 Which of the following figures can be formed on folding the given open cube in the question?


Ans
$\times 1$

$\times 2$.

$\times 3$.

$\checkmark 4$.

Q. 21 A series is given with one term missing. Select the correct alternative from the given
ones that will complete the series.
ANM, GWZ, MFM, SOZ, ?
Ans
X 1. YYM
2. YXM

X 3. NQR
X 4. YXR
Q. 22 If ' $A$ ' means ' $x$ ', ' $B$ ' means ' - ', ' $C$ ' means ' + ' and ' $D$ ' means ' - ', then what will come in the place of '?' in the given expression? 94 B 47 C 63 D 14 A 5 C ? = - 2

Ans

1. 7
2. 3
3.4
4.6
Q. 23 How many balls are neither bat nor tyre?


Ans
X1. 15
$\times 2.21$
ง. 23
$\times 4.8$
Q. 24 Select the figure from the given options that can replace the question mark (?) in the following series.


Ans

$\times 2$.

$\times 3$.

$\checkmark 4$.

Q. 25 In a certain code language, 'GRATEFUL’ is coded as '209267562112', 'INSTANCE’ is coded as '18138711435'. What is the code for 'LIKEWISE' in that code language?
Ans

1. 15181622239195

X2. 15181623339195
X 3.15161822238195
X4. 15811622239195

## Section : Quantitative Aptitude

Q. $1 \quad P, Q$ and $R$ are partners and invest in a business. $P$ invests $1 / 5$ th of total investments and $Q$ invests $1 / 4$ th of the total investments. What is the ratio of investments of $P, Q$ and $R$ respectively?
Ans
X1. 4:8:11
2. $4: 5: 11$
$\times 3.4: 7: 11$
X4.4:5:9
Q. 2 What is the value of $(a+b+c)\left\{(a-b)^{2}+(b-c)^{2}+(c-a)^{2}\right\}$ ?

Ans
X 1. $2 a^{3}+2 b^{3}+2 c^{3}$
2. $2 a^{3}+2 b^{3}+2 c^{3}-6 a b c$
3. 3abc
4. 6 abc
Q. 3 The line chart given below shows the marks obtained by two students $A$ and $B$ in 6 subjects.


The marks obtained by A in all the subjects is what percent of the marks obtained by B in all the subjects?
Ans
$X$ 1. 82.16 percent
$\times 2.92 .44$ percent
3. 98.64 percent
$\times 4.86 .32$ percent
Q. 4 What is the difference of the largest and smallest of the given fractions?
$\frac{5}{11}, \frac{5}{7}, \frac{3}{8}, \frac{6}{13}$
Ans

1. 17/56
2. $19 / 56$
3. $1 / 7$
4. $23 / 56$
Q. 5 Speed of stream is $4 \mathrm{~km} / \mathrm{hr}$ and the speed of boat is $11 \mathrm{~km} / \mathrm{hr}$. In how much time will the boat cover a distance of 21 km upstream and 45 km downstream?

Ans

1. 6 hours
2. 3 hours
3. 4 hours
4. 7 hours
Q. 6

What is the value of $\sqrt{\frac{\operatorname{cosec} A+1}{\operatorname{cosec} A-1}}+\sqrt{\frac{\operatorname{cosec} A-1}{\operatorname{cosec} A+1}}$ ?
Ans

1. $2 \cos \mathrm{~A}$
2. $\sec \mathrm{A}$
3. $\cos \mathrm{A}$
4. $2 \sec \mathrm{~A}$
Q. 7 The average of 10 consecutive integers is $33 / 2$. What is the average of first three integers?

Ans
$\times 1.12$
2. 13
(3. 15

X4. 11
Q. 8 In $\triangle S T U, S X$ is the median on $T U$. If $S X=T X$, then what is the value of $\angle T S U$ ?

Ans
$X 1.75$ degree
X 2. 45 degree
$\times$ 3. 60 degree
4. 90 degree
Q. 9

Median of an equilateral triangle is $15 \sqrt{3} \mathrm{~cm}$. What is the side of this triangle?

Ans

1. 24 cm
2. 18 cm
3. 30 cm
4. 36 cm
Q. 10 The simple interest accrued on a certain principal is Rs. 1200 in 3 years at the rate of $8 \%$ per annum. What would be the compound interest (compounding annually) accrued on twice of that principal at the rate of $10 \%$ per amum in 2 years?

Ans
X 1. Rs. 1,050
X 2. Rs.2,150
3. Rs. 2,100

X 4. Rs.1,100
Q. 11 AD is the median of $\triangle \mathrm{ABC}$. G is the centroid of $\triangle A B C$. If $A G=14 \mathrm{~cm}$, then what is the length of $A D$ ?

Ans
X1. 42 cm
X2. 28 cm
X 3.35 cm
-4. 21 cm
Q. 12 If $\tan \mathrm{A}=3$, then what is the value of $3 \sin \mathrm{~A} \cos \mathrm{~A}$ ?

Ans
X 1. $8 / 9$
2. $9 / 10$

X 3. $7 / 9$
$\times 4.9 / 11$
Q. 13 The price of a commodity is decreased by 25 percent and therefore a household increased the consumption of that commodity by 20 kg to keep the expenditure same. What was the earlier consumption?

Ans

1. 60 kg

X 2. 55 kg
X 3. 75 kg
$\times 4.45 \mathrm{~kg}$
Q. 14 What is the value of $\left(a^{2}+b^{2}+4 c^{2}-a b-2 b c-2 c a\right)(a+b+2 c)$ ?

Ans
x 1. $a^{3}+b^{3}+8 c^{3}-8 a b c$
2. $a^{3}+b^{3}+6 c^{3}-4 a b c$

X 3. $4 a^{3}+b^{3}+8 c^{3}-9 a b c$
4. $a^{3}+b^{3}+8 c^{3}-6 a b c$
Q. 15 Radii of two circles are 11 cm and 3 cm . Distance between their centres is 17 cm . What is the length of the Direct common tangent?
Ans

1. 12 cm
2. 14 cm
3. 16 cm

- 4.15 cm
Q. 16 The bar graph given below shows the sales of two companies C 1 and C 2 in 5 years.

$\mathrm{J} 1=$ The average sale of company C 1 in year $\mathrm{Y} 1, \mathrm{Y} 2$ and Y 3.
$\mathrm{J} 2=$ The difference between total sale of company C 1 and C 2 in all the 5 years.
What is the value of $(\mathrm{J} 2 / \mathrm{J} 1)$ ?
Ans
$\times 1.4$
-2. 2
X3. 3

4. 1
Q. 17 What is the value of $\frac{1+\sin A}{\cos ^{2} A}$ ?

Ans

1. $\frac{1}{1-\sin A}$
2. $\frac{1}{1+\sin A}$
3. $\frac{1}{1+\cos A}$

X4. $\frac{1}{1-\cos A}$
Q. 18 The table given below shows the salary of 6 employees of a company.

| Employees | Salary |
| :---: | :---: |
| P | 200 |
| Q | 650 |
| R | 350 |
| S | 250 |
| T | 450 |
| U | 300 |

What is the total salary of all the employees?
Ans
$\times 1.1800$
$\times 2.2400$
X 3. 1600
4. 2200
Q. 19 What is the value of $525+1235 \div 247-29 \times 10$ ?

Ans
X 1. 210
$\checkmark 2.240$
X 3. 220
$\times 4.250$
Q. 20 If $x+\frac{1}{x}=-2$, then what is the value of $x^{7}+x^{-7}+x^{2}+x^{-2} ?(\mathrm{x}<0)$

Ans
$\times 1.4$
X2. 2
X3.1
4. 0
Q. 21 The ratio of time taken in completing a work by a man and woman is $2: 3$. The man and the woman can complete the work together in 24 days. In how many days can the woman complete the work alone?

Ans
X1. 20 days
x 2. 40 days
3. 60 days

X4. 30 days
Q. 22 A dealer sells two machines at the rate of Rs. 15000 per machine. On one he earns a profit of 20 percent and on the other he loses 40 percent. What is his profit/loss percentage in the whole transaction?

Ans

1. 20 percent loss
2. 10 percent loss
3. 10 percent profit
4. 20 percent profit
Q. 23 The pie chart given below shows the expenditure of a family in percentage during a certain year: If the total amount spent during the year is Rs. $3,00,000$. On which of the following items, amount spent together is equal to Rs. $1,50,000$.


Ans
$X$ 1. Education, Others, Savings
2. Transport, Others, Education
$X$ 3. Savings, Housing, Education
$X$ 4. Savings, Clothing, Education
Q. 24 How many solid spherical balls of radius 6 cm can be made by melting a solid hemisphere of radius 12 cm ?

Ans

1. 4
(2. 2
2. 10
3. 8
Q. 25 A shopkeeper allows 20 percent discount on the marked price of an article and he suffers a loss of 5 percent. If the article is sold at marked price, then what will be the profit percentage?

Ans
$X 1.8 .33$ percent
X 2. 16.25 percent
$\checkmark$ 3. 18.75 percent
$\times 4.17 .25$ percent

Section : General awareness
Q. 1 Which article of the constitution of India is related to Comptroller and Auditor General of India Audit reports?

Ans
$\times 1.148$
$\times 2.150$

- 3.151
$\times 4.149$
Q. 2 As on September 2021, which of the following is NOT a national political party in India?

Ans
X 1. Indian National Congress
2. Indian National Lok Dal
3. Communist Party of India
4. Bahujan Samaj Party
Q. $3 \ldots$, also known as search unemployment, occurs when workers lose their current job and are in the process of finding another one.

Ans

1. Voluntary unemployment
2. Disguised unemployment
3. Frictional unemployment

X 4. Classical unemployment
Q. 4 Which of the following is NOT an application software?

Ans
< 1. Entertainment software
X 2. Education software
3. Programming language translator software
4. Personal assistance software

## Q. 5 Which among the following lakes is known as the only "Floating Islands Lake" in

 India?Ans

1. Loktak

X 2. Pulicat
X 3. Chilka
4. Kolleru
Q. 6 In India, what is the mean annual average temperature in subtropical vegetation zone?

Ans

1. Above $24^{\circ} \mathrm{C}$
$\times 2.7^{\circ} \mathrm{C}$ to $17^{\circ} \mathrm{C}$
X 3. Below $7^{\circ} \mathrm{C}$

- 

4. $17^{\circ} \mathrm{C}$ to $24^{\circ} \mathrm{C}$
Q. 7 Which famous sportsperson has received the Bharat Ratna award in 2014?

Ans
(1. Ravi Shastri
2. Yogeshwar Dutt
3. MS Dhoni
4. Sachin Tendulkar
Q. 8 What is India's rank in reducing overall inequality according to the Commitment to Reducing Inequality Index (CRII) 2022?
Ans
$\times 1.118$
2. 123
3. 129
4. 132
Q. 9 What is the atomic mass of sodium?

Ans
-1. 32
2. 40

- 3.23
$\times 4.12$
Q. 10 Which Union Territory of India lies in the Bay of Bengal?

Ans
X 1. Dadra \& Nagar Haveli and Daman \& Diu
X 2. Chandigarh
X 3. Lakshadweep Islands
4. Andaman and Nicobar Islands
Q. 11 Which of the following shortcut key is used to display the font dialog box in MS-Word 365?
Ans

1. $\mathrm{Ctrl}+\mathrm{F}$
2. $C$ trl + D

X 3. Alt + D
X 4. Alt + F
Q. 12 VSHORADS missile was successfully tested in September 2022 by $\qquad$ .
Ans

1. Defence Research and Development Organization (DRDO)
2. Earth System Science Organization (ESSO)
3. Hindustan Aeronautics Limited (HAL)
4. Forest Survey of India (FSI)
Q. 13 Humayun's Tomb situated in Delhi is built by $\qquad$ .

Ans
X 1. Gulbadan Begum
2. Biga Begum
$X$ 3. Hamida Begum
4. Maham Begum
Q. 14 Which of the following statements is correct?

Ans
$X 1$. Living organisms can survive a wide range of pH change
$X 2$. When pH of rain water is less than 8.2 , it is called acid rain.
3. Our body works within the pH range of 7.0 to 7.8 .

X4. Tooth decay starts when the pH of the mouth is lower than 1.5.
Q. 15 Where was the Commonwealth games held in the year 2022?

Ans

1. Gold Coast

X 2. New Delhi
3. Birmingham
4. Glasgow
Q. 16 Who among the following has been chosen as the male goalkeeper of the year by the International Hockey Federation (FIH) 2021-22?
Ans

1. PR Sreejesh
2. Mumtaz Khan
3. Pirmin Blaak
4. Arthur Thieffry
Q. 17 The shehnai is a reed instrument with how many holes along the tube?

Ans
$\times 1$. Five
2. Seven
3. Eleven
4. Six
Q. 18 The Indian National Congress was established when $\qquad$ delegates from all over the country met at Bombay in December 1885.
Ans
$\times 1.34$

- 2.72
$\times 3.108$
$\times 4.156$
Q. 19 $\qquad$ is the change in total utility due to consumption of one additional unit of a commodity.
Ans

1. Product Utility (PU)
2. Revenue utility (RU)
3. Demand utility (DU)
4. Marginal utility (MU)
Q. 20 Which among the following pairs of 'animal - phylum of animal kingdom they belong' is incorrect?

Ans

1. Liver fluke - Nematoda
2. Sycon - Porifera
3. Prawns - Arthropoda
4. Starfish - Echinodermata
Q. 21 Kalinga is the ancient name of coastal $\qquad$ -.
Ans
5. Tamil Nadu
6. Orissa

X 3. Kerala
4. Andhra Pradesh
Q. 22 The Arctic Ocean is located within the Arctic Circle and surrounds the North Pole. It is connected with the Pacific Ocean by a narrow stretch of shallow water known as
$\qquad$
Ans

1. Berring

X 2. Palk
X 3. Hudson
4. Bosphorus

## Q. 23 Which among the following Ministries launched the app JALDOOT?

Ans
X 1. Ministry of Finance
X 2. Ministry of Culture
X 3. Ministry of External Affairs
4. Ministry of Rural Development
Q. 24 Which team won the Ranji trophy 2021 - 2022?

Ans
(1. Mumbai
2. Madhya Pradesh
3. Vidarbha
4. Himachal Pradesh
Q. 25 Who among the following received the best actor in leading role (male) popular choice in the Filmfare Awards 2022?

## Ans

1. Vicky Kaushal

X 2. Sidharth Malhotra
X 3. Dhanush

- 4. Ranveer Singh

| Combined Higher Secondary Level Examination Tier I 2022 |
| :--- | :--- |
| Roll Number  <br> Candidate Name  <br> Venue Name  <br> Exam Date $13 / 03 / 2023$ <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 is opposite in meaning to the given word. Restricted

Ans

1. Copious
2. Circumscribed
3. Capped
4. Finite
Q. 2 Choose the option that is the correct indirect form of the sentence. She said to her, "Please pay attention to the details."

Ans

1. She commanded her for paying attention to the details
2. She requested her that to pay attention to the details
3. She requests her that pay attention to the details.
4. She requested her to pay attention to the details.

## Q. 3 Select the word that is similar in meaning (SYNONYM) to the word given below

 EfficacyAns

1. Impotence
2. Efficiency
3. Ineptness
4. Futility
Q. 4 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase. All and sundry
Ans
X 1. Advantages and disadvantages
5. Everyone without distinction
6. Full moon
7. Holidays
Q. 5 Rearrange the parts of the sentence in correct order.

Corruption is
P. misuse and abuse of public office, either directly
Q. typified by dishonesty, exploitation or the
R. or indirectly, for personal gains or unjust enrichment
$\mathbf{S}$. in negation of due process or established protocol
Ans

1. QPRS
2. PSRQ
3. RSPQ
4. PQSR
Q. 6 Find the part of the given sentence that has an error in it. If there is no error, choose
'No error'.
Fashion might not be first thing that comes to mind when we think of isolation strategies.

Ans

1. we think of isolation strategies.
2. No error
3. Fashion might not be first
4. thing that comes to mind when
Q. 7 Select the most appropriate 'one word' for the expression given below. One who cures eye disease.

Ans

1. Ophthalmologist
2. Prologist
3. Phonologist
4. Biologist
Q. 8 Choose the word that can substitute the given group of words.

A person who is never happy with what he has
Ans

1. Malcontent
2. Heresy
3. Malleable
4. Miser
Q. 9 Choose the incorrectly spelt word.

Ans

1. MOCKERY
2. CROCKERY
3. RELIGIOUS
4. BENIDICTION
Q. 10 Choose the correctly spelt word.

Ans
X 1. MEALIGN
X 2. PRECISSION
3. SABOTAGE

X 4. MISSIONERY
Q. 11 Select the most appropriate meaning of the given idiom. Green light
Ans

1. To be lost and confused
2. To misunderstand
3. To permit something to proceed

X4. To always compare
Q. 12 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 Our twelve years in the forest were
A. Ram had lost, we would have to
B. ending. Now, according to the wager
C. discovered our whereabouts, we would have to endure another ten years in exile
D. spend a year in hiding.

If during this year Mohan
Ans

1. BDCA
2. CDAB
3. BADC
4. ACBD
Q. 13 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
A fully grow Chihuahua weighs less than the average house cat.
Ans
X 1. fullest grown
5. fully growth
6. No improvement
7. fully grown
Q. 14 Select the option that will improve the (bracketed) part of the sentence. In case of no improvement select the option 'No improvement'.
The play was (either as funny or as) disturbing as Shivang told it was.
Ans
8. neither as funny nor as
9. No improvement
10. either as funny nor as
11. neither as funny or as
Q. 15 Select the word that is closest in meaning (SYNONYM) to the word given below. BLASPHEMOUS
Ans
12. COSTLY
13. DISRESPECTFUL
14. REALITY
15. AUTHENTIC
Q. 16 Select the correct passive form of the given sentence. He writes a paper every weekend.
Ans
16. A paper is written by him every weekend.
17. A paper is been written by him every weekend.
18. A paper was been written by him every weekend.
19. A paper was written by him every weekend.
Q. 17 Fill in the blank with an appropriate option.

It is important to ensure that we all have good clean water to drink that is not $\qquad$ by heavy metals or chemicals.
Ans

1. knotted
2. clarified
3. purged
4. contaminated
Q. 18 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'.
They know they will face / either a swift backlash / or deafening silence.
Ans
5. No error
6. They know they will face
7. or deafening silence.
8. either a swift backlash
Q. 19 Choose the word that means the same as the given word. Jarred

Ans

1. Assented
2. Accorded
$\times$ 3. Macho
3. Altercated
Q. 20 Select the most appropriate option to fill in the blank. This has given rise to the view that the legal code is $\qquad$ against women and the poor.
Ans
$X$ 1. baked
4. frank
5. biased
6. duplicitous

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans

1. about
2. upon

X 3 with respect
4. belonging to

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
$X$ 1. he have
$\times 2$. he was
$X$ 3. he has
4. he had

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon
where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth.
How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her
breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
$\times 1$. around
2. away
$\times$ 3. together
X 4. gone

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to
safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her
breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
X 1.god
X 2. demon
X 3. satan
4. demoness

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him $\qquad$ that breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ would have drowned them.

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

Ans
X 1. snowfall
$\times$ 2. earthquake
X 3. drought
4. deluge

## Section : General Intelligence

Q. 1 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
$\times 1$ UTS
X 2. ONM
3. GH

X4.WVU
Q. 2 Three positions of a dice are given below. What can come on the adjacent faces of the face containing ' 4 ' on it?


Ans

1. 7 and 5
2. 3 and 7
3. 7 and 6
4. 6 and 5
Q. 3 Select the option that is related to the fifth number in the same way as the first number is related to the second number and the third number is related to the fourth number.
33: 121:: 27 : 81:: 45:?
Ans
5. 256
6. 305
7. 275

- 4.225
Q. 4 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.
Tadpole : Frog: : Caterpillar :?
Ans
X 1. Dog
X 2. Hen

2. Butterfly
$\times 4$. Sheep
Q. 5 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.No mobile is an electronic item.
II.All electronic items are costly.

Conclusions:
I. No costly is a mobile.
II. Some costly are mobile.

Ans
X 1. Only conclusion II follows.
2. Both conclusion I and II follow.
3. Either conclusion I or II follow.
4. Only conclusion I follows.
Q. 6 In the following question, select the related letters from the given alternatives.

ATXJ : BVAN :: YMOU : ?
Ans

1. ZORY
2. HUVL
3. UVXZ
4. ASND
Q. 7 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)
$(8,5,39)$
$(14,11,75)$
Ans
X $1 .(12,6,70)$
$\times 2 .(9,5,54)$

- 3. $(11,7,74)$

4. $(7,4,33)$
Q. 8 If a mirror is placed on the line $A B$, then out of the option figures which figure will be the right image of the question figure?


Ans


- 2. 


3.

$\times 4$.

Q. 9 Aman is the brother of Baman and Chaman. Baman is Emily's mother. Farhan is Aman's father then which of the following is definitely true?
Ans

1. Baman is sister of Chaman.
2. Aman and Emily are siblings.
3. Chaman is brother of Aman.
4. Chaman is male.
Q. 10 Select the figure that will come next in the following figure series.


Ans

Q. 11 In a certain code language, 'ISLAND' is written as 'HTKBME' and 'TABLET' is written as 'SBAMDU'. How will 'BANGLE' be written in that language?
Ans
X 1. ABOHKF
X 2. ABMHKD
2. ABMHKF
$\times 4$. ABMHMF
Q. 12 How many pink are neither green nor yellow?


Ans

1. 10

X2. 17
$\times 3.9$
X4.8
Q. 13 Which one set of letters when sequentially placed in the gaps in the given letter series shall complete it?
$W X_{-} W W_{-} Y_{-} W \mathbf{N}_{-} W X X_{-} Y$ _ $Y$
Ans
X 1. WXXYXWW
X 2. YXYYWXX

- 3. YXXYWXY

X 4. WYXYWXY
Q. 14 Three of the four group of words are alike in some manner. Select the odd group of words.
Ans

1. (Car, Truck, Road)
2. (Chair, Table, Stool)
3. (Choreographer, Editor, Carpenter)
4. (Shirt, Trouser, Saree)
Q. 15 After arranging the given words according to dictionary order, which word will come at 'Fifth' position?
5. Wrap
6. Wrath
7. Wrasse
8. Wrangler
9. Wrack

Ans

1. Wrangler
2. Wrack
3. Wrath

X 4. Wrasse
Q. 16 Select the word pair in which the words are related in the same way as the words are related in the following pair: Farmer : Plough

Ans

1. Soldier: Pen
2. Surgeon: Scalpel

X 3. Author: Spade
X 4. Tailor : Harrow
Q. 17 After interchanging the given two signs what will be the values of expression (I)and (II)respectively ?

+ and -
I. $45+15 \times 30 \div 10-25$
II. $\mathbf{6 \times 9 + 5 - 8 \div 4}$

Ans

1. 25 and 51
2. 27 and 53
3. 53 and 27
4. 51 and 25
Q. 18 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?

- ARO

Ans

$\times 2$

$\times 3$.

$\times 4$.


## Q. 19 If 739 R $635=52$ and 814 R $122=346$, then 532 R $220=$ ?

Ans

- 1.156
$\times 2.160$
$\times 3.134$
$\times 4.148$
Q. 20 How many triangles are there in the given figure?


Ans
$\times 1.21$
$\times 2.22$
$\times 3.19$
-4. 20
Q. 21 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)
$(12,144,1728)$
$(6,36,216)$
Ans
X 1. $(11,121,1000)$
X 2. $(14,196,2197)$

- 3. $(10,100,1000)$
$\times 4 .(8,64,729)$
Q. 22 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

Q. 23 In the following question, select the missing number from the given series.
$3,4,7,11,18,29$,?
Ans
< 1.48
$\times 2.45$

- 3.47
$\times 4.46$
Q. 24 In a certain code language, 'BED' is written as '122' and 'CAB' is written as '37'. How will 'ADD' be written in that code language?

Ans

1. 65
2. 50
3. 101
4. 82
Q. 25 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. $3241-5732$
2. $2354-4835$
3. $1326-3807$
4. $2345-4826$

## Section : Quantitative Aptitude

Q. 1 If the radius of the circle is 42 cm and the angle formed at the centre by an arc is $150^{\circ}$. What is the length of the corresponding are?

Ans

1. 66 cm
2. 77 cm
3. 110 cm
4. 55 cm
Q. 2 The following pie-chart shows the sale of different vegetables in a day of a shop.

If total 1000 kg of vegetables were sold in a day, then what is the amount of tomatoes sold (in kg ) ?


Ans
. 400
X2. 250

- 3. 100
$\times 4.150$
Q. 3 What is the sum of all three digit numbers which are divisible by 15 ?

Ans
X1. 41200
$\times 2.36825$
$\checkmark$ 3. 32850
X4. 28750
Q. 4 Diameter of a circle is 20 cm Length of a chord AB is 10 cm . What will be the angle made by this chord at the center of this circle?

Ans

1. 75 degree
2. 45 degree
3. 60 degree
4. 90 degree
Q. $5 \mathrm{X}, \mathrm{Y}$ and Z are three equilateral triangles. The sum of the areas of X and Y is equal to the area of Z . If the side lengths of X and Y are 6 cm and 8 cm respectively, then what is the side length of Z ?

Ans

1. 10 cm
2. 10.5 cm
3. 9.5 cm
4. 9 cm
Q. 6 Jitin's age 3 years from now will be double the average of Jitin's current age and his age 8 years ago. What was Jitin's age 5 years ago?

Ans

1. 7 years
2. 8 years
3. 11 years
4. 6 years
Q. 7 Rs. 6000 is lent at the rate of 20 percent per annum on compound interest (compounded half yearly). What will be the compound interest of 18 months?
Ans
5. Rs. 1825
6. Rs. 1986
7. Rs. 1876
8. Rs. 2036
Q. 8 What is the value of $3 \tan 20^{\circ} \cdot \tan 45^{\circ} \cdot \tan 70^{\circ}$ ?

Ans
(1. 2
2. 3

X 3. 1.5
$\times 4.4$
Q. 9 If $A+B=-5$ and $A B=6$, then find the value of $A^{3}+B^{3}$.

Ans
X1. 35
$\times 2.45$
-3. -35
X4. 215
Q. 10 The value of $25 \%$ of $720+57 \div 19 \times \frac{1}{3}$ of $\frac{100}{11}$ of $\frac{33}{25}-15 \%$ of 300 is:

Ans
$\times 1.191$
2. 157
3. 127
4. 147
Q. 11 The sum of the length, breadth, and height of a cuboid box is 20 cm and the total surface area of cuboid is 256 sq . cm . What is the maximum length (in approximate) of a stick that can be placed inside the cuboid box ?
Ans
$\times 1.16 \mathrm{~cm}$
$\times 2.24 \mathrm{~cm}$
$\times 3.32 \mathrm{~cm}$
ง. 12 cm
Q. 12 If $\sin 2 \theta=\sqrt{3} / 2$, then what is the value of $\tan \theta$ ?

Ans
$\times 1.1 / 2$
2. 1
3. $1 / \sqrt{3}$

X4. $\sqrt{3}$
Q. 13 The ratio of the speed of the boat in still water to the speed of the stream is $8: 3$ and the boat can travel 22 km downstream in 24 minutes. Then, how much time will the boat take to cover 50 km upstream?

Ans
X1. 4 hrs
2. 2.5 hrs

X 3. 3 hrs
-4. 2 hrs
Q. 14 The bar graph given below shows the cost price and selling price of four articles $\mathrm{L}, \mathrm{M}, \mathrm{N}$ and O .


Loss $=$ Cost price - Selling price
Which of the following sequence is correct for loss?
Ans

1. $\mathrm{O}>\mathrm{N}>\mathrm{L}>\mathrm{M}$

X2. $\mathrm{N}>\mathrm{O}>\mathrm{L}>\mathrm{M}$
X 3. $\mathrm{O}>\mathrm{N}>\mathrm{M}>\mathrm{L}$
x4. $\mathrm{O}>\mathrm{L}>\mathrm{N}>\mathrm{M}$
Q. 15 P can fill a tank in 5 hours, Q can fill the same tank in 10 hours. R can empry the same tank in 20 hours. How much time will all the three take together to fill the same tank?

Ans
$\times 1.10$ hours
2. 4 hours
$X$ 3. 6 hours
$\times 4.5$ hours
Q. 16 If $x^{2}+\frac{1}{x^{2}}=7$, then what is the value of $x^{3}+\frac{1}{x^{3}}$ ?

Ans
X1. 9
$\checkmark 2.18$
$\times 3.27$
$\times 4.36$
Q. 17 There are three numbers $P, Q$ and $R .30$ percent of $P$ is equal to the 15 percent of $Q .20$ percent of $Q$ is equal to the 10 percent of $R$. By what percent is $R$ more than $P$ ?
Ans
X1. $150 \%$
2. $300 \%$

X 3. $200 \%$
X4. $250 \%$
Q. 18 A milk merchant buys 30 litres of milk at the rate of Rs. 50 per litre and mixes 20 litres of water in it (water is free of cost). If he sells this mixture at the rate of Rs . 48 per litre, then what is the profit percentage?

Ans
$\times$ 1. 50 percent
2. 60 percent

X 3. 40 percent
X 4. 66.66 percent
Q. 19 An incircle with center $O$ is drawn inside an equilateral triangle $A B C$ and the length of the side is 12 cm . Find the area (in sq.cm) of the triangle which is not in the incircle.
Ans

1. 24.64
2. 21.48
3. 37.71

X4. 30.64
Q. 20 A discount of 20 percent on article A is equal to the discount of 15 percent on the article B . What is the ratio of the marked price of articles A and B?
Ans

1. $6: 11$
2. $3: 4$
3. $7: 8$
4. $6: 7$
Q. 21 The bar graph given below shows the sales of bikes and cars of five companies J, K, L, M and N.


PI $=$ The total sales of bikes of all the 5 companies.
P2 $=$ The total sales of cars of the all 5 companies.
What is the value of $\left(\mathrm{P}_{2}-\mathrm{P} 1\right)$ ?
Ans
$\times 1.550$
X2. 350

- 3. 450

4. 400
Q. 22 If $m=\sec \theta-\tan \theta$ and $n=\operatorname{cosec} \theta+\cot \theta$, then what is the value of $m+n(m-1)$ ?

Ans
$\times 1.2$
$\times 2.1$
$\times 3.0$
-4. -1
Q. 23 The ratio of income of Jitendra, and Narendra is $4: 7$ and the ratio of their expenditure is $6: 5$ respectively. If Jitendra saves Rs. 400 out of Rs. 2,800 income, then find the savings of Narendra.
Ans

1. Rs.2,900
$X$ 2. Rs.2,000
$X$ 3. Rs. 4,900
X 4. Rs.3,900
Q. 24 The line chait given below shows the number of pencil sold by two shopkeepers $A$ and $B$ in 5 months.


Which of the following statement is correct?
I. The number of pencil sold by A in P and Q together is 31.72 percent more than the number of pencil sold by B in S
and $T$ together
II. The number of pencil sold by B in Q and R together is 105.88 percent of the number of pencil sold by A in P and T
together.
Ans

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

X 4. Both I and II
Q. 25

What is the value of $\frac{4 x^{2}+9 y^{2}+12 x y}{144}$ ?
Ans

1. $\left(\frac{x}{3}+\frac{y}{4}\right)^{2}$
x 2. $\left(\frac{x}{3}+y\right)^{2}$
x $3 .\left(\frac{x}{4}+\frac{y}{6}\right)^{2}$
2. $\left(\frac{x}{6}+\frac{y}{4}\right)^{2}$

## Section : General awareness

## Q. 1 Which continent provides more than half of world's tin?

Ans
$\times 1$. Europe
2. Asia

X 3. North Africa
X 4. Africa
Q. 2 Breakdown of pyruvate into lactic acid and energy in lack of oxygen takes place in which of the following?

Ans
X 1. Bacteria
2. Human muscle cells

X 3. Yeast
4. Mitochondria
Q. 3 Hari Prasad Chaurasia is associated with which of the following instruments?

Ans

1. Tabla
2. Bansuri
3. Veena
4. Drum
Q. 4 International Women's Day is celebrated on?

Ans
X 1.12th July
2. 12th march
3. 8th July
4. 8th march
Q. 5 Who among the following was a famous ruler of the Maratha dynasty?

Ans
$X 1$. Prithviraj Chauhan
X 2. Man Singh
3. Chhatrapati Shivaji Maharaj
4. Porus
Q. 6 The book titled 'The Ministry of Utmost Happiness' has been written by $\qquad$ -.
Ans
X 1. Jia Pingwa
2. Arundhati Roy
3. Sunita Narain
4. Dan Brown
Q. 7 In September 2022 at Bengaluru Space Expo (BSX) in Bengaluru, ISRO and space
agency of facilitated signage of half a dozen MoUs between the startups of the
two countries focusing on the space tech.
Ans

1. Australia
2. France
3. USA
4. Israel
Q. 8 In 1757, $\qquad$ led the Company's army against Sirajuddaulah at Plassey.

Ans
$\times 1$. Lord Cornwallis
2. Lord Minto
3. Warren Hastings
4. Robert Clive
Q. 9 Which among the following festivals is celebrated as the Telugu New Year?

Ans
X 1. Monpa
2. Ugadi

X 3. Vishu
X4. Dasara
Q.10 According to WHO, If a person's BMI is below 18.5 he/she is classified as $\qquad$ -.

Ans
$X$ 1. Mentally unfit
2. Underweight
3. Blind
4. Healthy
Q. 11 Which of the following pressure belt is known as the horse latitude?

Ans
< 1. Sub - Polar Low Pressure
2. Equatorial Low Pressure
3. Sub - Tropical High Pressure
4. High Pressure
Q. 12 Who is the first Indian President to be born in Independent India?

Ans
$X$ 1. Pratibha Patil
2. Droupadi Murmu

X 3. Ram Nath Kovind
X 4. Pranab Mukherjee
Q. 13 Wages/day under Mahatma Gandhi NREGA is $\qquad$ , w.e.f. 1st April, 2020, as per Economic Survey 2020-21.
Ans
(1. Rs 182
2. Rs 412
3. Rs 202
4.Rs 152
Q. 14 Sheetal wants to create financial statements for her business. Which among the following software should she use for the same?
Ans
X 1. Multimedia software
X 2. Presentation software3. System software
4. Spread sheet software
Q. 15 As on November 2022, who is the first citizen of India?

Ans
X 1. Amit Shah
2. Droupadi Murmu

X 3. Narendra Modi
X 4. Sonia Gandhi
Q. 16 Which among the following corridors was inaugurated by Prime Minister Narendra Modi in October 2022?

Ans

1. Mahakal Lok Corridor
2. Chennai Bengaluru Industrial Corridor
3. Kashi Corridor
4. North East Economic Corridor
Q. 17 Which of the following pairs of "term - sports" is correct?
I. Eagle - Hockey
II. Penalty kick - Volleyball

Ans
X 1. Only I
2. Neither I nor II
3. Both I and II
4. Only II
Q. 18 Which of the following combinations of tenors of Treasury bills issued by Government of India is correct?

Ans
X 1.82 days, 182 days, 345 days
2. 91 days, 182 days, 364 days
3. 61 days, 145 days, 360 days
4. 91 days, 152 days, 356 days
Q. 19 Fourth edition of Khelo India Youth Games was hosted by which state of India?

Ans

1. Madhya Pradesh
2. Karnataka
3. Haryana
4. Assam
Q. 20 $\qquad$ is the highest peak in the Eastern Ghats.
Ans
5. Kanchenjunga
6. Khasi

X 3. Anai Mudi
4. Mahendragiri
Q. 21 Which of the following is mentioned in state list of the seventh schedule of the Indian constitution?
Ans

1. Betting and gambling
2. Railways
3. Post office saving Bank
4. Inter-state trade and commerce
Q. 22 Each orbit of International Space Station (ISS) takes $\qquad$ minutes.
Ans
$\times 1.85-87$
5. $83-86$
6. $90-93$
7. $80-82$
Q. 23 When the grains of sand are very fine and light, the wind can carry it over very long distances. When such sand is deposited in large areas, it is called $\qquad$ .

Ans

1. stacks
2. loess
3. moraines
4. mushroom

## Q. 24 What is the full form of FTP?

Ans

1. File text paging
2. File transfer paging
3. File text protocol
4. File transfer protocol
Q. 25 India's National Air Sports Policy was released in the year $\qquad$ .
Ans
$\times 1.2000$
X 2. 2012
X 3.2016
5. 2022

## Combined Higher Secondary Level Examination Tier I 2022

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $13 / 03 / 2023$ |
| Exam Time | 11:45 AM - 12:45 PM |
| Subject | CHSL Exam 2022 Tier I |

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

Ans

1. To misunderstand
2. To permit something to proceed
3. To always compare
4. To be lost and confused
Q. 2 Select the correct passive form of the given sentence. He writes a paper every weekend.

Ans

1. A paper was written by him every weekend.
2. A paper is written by him every weekend
3. A paper was been written by him every weekend
4. A paper is been written by him every weekend.
Q. 3 Choose the word that is opposite in meaning to the given word. Restricted

Ans

1. Copious
2. Finite
3. Capped
4. Circumscribed
Q. 4 Choose the word that means the same as the given word. Jarred

Ans

1. Macho
2. Assented
3. Altercated
4. Accorded
Q. 5 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
Our twelve years in the forest were
A. Ram had lost, we would have to
B. ending. Now, according to the wager
C. discovered our whereabouts, we would have to endure another ten years in exile
D. spend a year in hiding.

If during this year Mohan
Ans

1. ACBD
2. BADC
3. CDAB
4. BDCA
Q. 6 Choose the incorrectly spelt word.

Ans

1. CROCKERY
2. MOCKERY
3. RELIGIOUS
4. BENIDICTION
Q. 7 Rearrange the parts of the sentence in correct order. Corruption is
P. misuse and abuse of public office, either directly
Q. typified by dishonesty, exploitation or the
R. or indirectly, for personal gains or unjust enrichment
$S$. in negation of due process or established protocol
Ans
<1. PSRQ
5. QPRS
6. RSPQ
7. PQSR
Q. 8 Select the most appropriate 'one word' for the expression given below. One who cures eye disease.
Ans
X 1. Biologist
$\times 2$. Phonologist
X 3. Prologist
8. Ophthalmologist

## Q. 9 Select the word that is closest in meaning (SYNONYM) to the word given below.

 BLASPHEMOUSAns

1. AUTHENTIC
2. DISRESPECTFUL
3. COSTLY
4. REALITY
Q. 10 Select the option that will improve the (bracketed) part of the sentence. In case of no improvement select the option 'No improvement'.
The play was (either as funny or as) disturbing as Shivang told it was.
Ans
X 1. No improvement
5. either as funny nor as
6. neither as funny nor as
7. neither as funny or as
Q. 11 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Fashion might not be first thing that comes to mind when we think of isolation strategies.
Ans
8. No error
9. thing that comes to mind when
10. we think of isolation strategies.
11. Fashion might not be first
Q. 12 Choose the option that is the correct indirect form of the sentence.

She said to her, "Please pay attention to the details."
Ans
1 . She requests her that pay attention to the details.
$\times 2$. She commanded her for paying attention to the details.
3. She requested her to pay attention to the details.
$\times 4$. She requested her that to pay attention to the details.
Q. 13 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
A fully_grow Chihuahua weighs less than the average house cat.
Ans
X 1. No improvement
2. fully grown
$X$ 3. fullest grown
4. fully growth
Q. 14 Fill in the blank with an appropriate option.

It is important to ensure that we all have good clean water to drink that is not $\qquad$ by heavy metals or chemicals.
Ans

1. contaminated
2. purged
3. clarified
4. knotted
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'.
They know they will face / either a swift backlash / or deafening silence.
Ans
X 1. or deafening silence.
5. No error
6. They know they will face
7. either a swift backlash
Q. 16 Choose the correctly spelt word.

Ans
X 1. PRECISSION
X 2. MISSIONERY
3. SABOTAGE
4. MEALIGN
Q. 17 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase. All and sundry
Ans
X 1. Full moon
2. Advantages and disadvantages
3. Holidays
4. Everyone without distinction
Q. 18 Select the most appropriate option to fill in the blank.

This has given rise to the view that the legal code is $\qquad$ against women and the poor.
Ans

1. baked
2. frank
3. duplicitous
4. biased
Q. 19 Select the word that is similar in meaning (SYNONYM) to the word given below Efficacy

Ans 1. Efficiency
2. Futility

X 3. Impotence
X 4. Ineptness
Q. 20 Choose the word that can substitute the given group of words. A person who is never happy with what he has

Ans
X 1 . Miser
X 2. Heresy
3. Malcontent
4. Malleable

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
$X 1$. belonging to
$\times 2$. with respect
X 3. upon
4. about

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
$X 1$. he has
2. he had
$X$ 3. he have
$\times 4$. he was

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
$X$ 1. together
$\times 2$. gone
3. away

X4. around

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to
safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her
breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
X 1. satan
X 2. god
X 3. demon
4. demoness

## 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.
There were other stories (1) $\qquad$ Krishna. How (2) $\qquad$ been born in a dungeon where his uncle Kamsa had imprisoned his parents with the intention of killing him at birth. How, in spite of the many prison guards, he had been miraculously spirited (3) $\qquad$ to safety in Gokul. How, in infancy, he killed a (4) $\qquad$ who tried to poison him with her breast milk. How he lifted up Mount Govardhan to shelter his people from a (5) $\qquad$ that would have drowned them.

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

Ans
X 1. earthquake
$X$ 2. drought
3. deluge
$\times 4$. snowfall

## Section : General Intelligence

Q. 1 In the following question, select the missing number from the given series.

3, 4, 7, 11, 18, 29,?
Ans

- 1.48

2. 46
$\times 3.45$
$\checkmark$
3. 47
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)
$(12,144,1728)$
$(6,36,216)$
Ans
< 1. $(11,121,1000)$
( 2. $(14,196,2197)$
4. $(10,100,1000)$

X 4. $(8,64,729)$
Q. 3 How many triangles are there in the given figure?


Ans
X1. 21
X2. 19
ง. 20
X4. 22
Q. 4 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.No mobile is an electronic item.
II.All electronic items are costly.

Conclusions:
I. No costly is a mobile.
II. Some costly are mobile.

Ans

1. Both conclusion I and II follow.
2. Either conclusion I or II follow.

X 3. Only conclusion II follows.
4. Only conclusion I follows.
Q. 5 Select the option that is related to the fifth number in the same way as the first number is related to the second number and the third number is related to the fourth number. 33 : 121 :: 27 : 81 :: 45 :?
Ans
$\times 1.275$
2. 225

- 3.305

4. 256
Q. 6 Aman is the brother of Baman and Chaman. Baman is Emily's mother. Farhan is Aman's father then which of the following is definitely true?

Ans

1. Aman and Emily are siblings.
2. Chaman is male.
3. Chaman is brother of Aman.
4. Baman is sister of Chaman.
Q. 7 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
$\times 1.2345-4826$
X 2. 2354-4835
3. 3241 - 5732

X4.1326-3807
Q. 8 After interchanging the given two signs what will be the values of expression (I)and (II)respectively ?

+ and -
I. $\mathbf{4 5}+15 \times 30 \div 10-25$
II. $\mathbf{6 \times 9 + 5 - 8 \div 4}$

Ans
$\times 1.53$ and 27

- 2. 25 and 51

X 3.51 and 25
$\times 4.27$ and 53
Q. 9 How many pink are neither green nor yellow?


Ans
$\times 1.9$
X2. 17
$\times 3.8$
-4. 10
Q. 10 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
$\times 1$ UTS
2. GHI

X 3. ONM
X4.WVU
Q. 11 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
$\times 1$

$\times 2$.

$\times 3$.

$\checkmark 4$.

Q. 12 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

$\times 3$.

$\checkmark 4$.

Q. 13 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

$\times 2$

$\times 3$.

$\times 4$

Q. 14 Which one set of letters when sequentially placed in the gaps in the given letter series
shall complete it?

Ans
X 1. WYXYWXY
X 2. YXYYWXX
X 3. WXXYXWW
4. YXXYWXY
Q. 15 Select the figure that will come next in the following figure series.


Ans

Q. 16 Three positions of a dice are given below. What can come on the adjacent faces of the face containing ' 4 ' on it?


Ans
$\times 1.3$ and 7
$\times 2.7$ and 6
X3. 7 and 5
4. 6 and 5
Q. 17 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.
Tadpole : Frog: : Caterpillar :?
Ans

1. Hen
2. Butterfly

X 3. Dog
4. Sheep
Q. 18 If 739 R $635=52$ and $814 R 122=346$, then 532 R $220=$ ?

Ans
X 1.160
2. 156
(3. 134
-4. 148
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)
$(8,5,39)$
$(14,11,75)$
Ans
X 1. $(12,6,70)$
X2. $(9,5,54)$

- 3. $(7,4,33)$

X4. $(11,7,74)$
Q. 20 Select the word pair in which the words are related in the same way as the words are related in the following pair:

## Farmer : Plough

Ans
X 1. Soldier: Pen
2. Surgeon: Scalpel

Х 3. Author: Spade
4. Tailor : Harrow
Q. 21 Three of the four group of words are alike in some manner. Select the odd group of words.

Ans
X 1. (Choreographer, Editor, Carpenter)
X 2. (Shirt, Trouser, Saree)
3. (Car, Truck, Road)

X 4. (Chair, Table, Stool)
Q. 22 After arranging the given words according to dictionary order, which word will come at 'Fifth' position?

1. Wrap
2. Wrath
3. Wrasse
4. Wrangler
5. Wrack

Ans
X 1. Wrack
X 2. Wrangler
X 3. Wrasse
4. Wrath
Q. 23 In the following question, select the related letters from the given alternatives

ATXJ : BVAN :: YMOU : ?
Ans
X 1. HUVL
2. ZORY

X 3.ASND
4. UVXZ
Q. 24 In a certain code language, 'ISLAND' is written as 'HTKBME' and 'TABLET' is written as 'SBAMDU'. How will 'BANGLE' be written in that language?
Ans

1. ABMHKF
2. ABOHKF
3. ABMHKD
4. ABMHMF
Q. 25 In a certain code language, 'BED' is written as '122' and 'CAB' is written as '37'. How will 'ADD' be written in that code language?
Ans
< 1.50
5. 82

- 3.101

4. 65
Q. 1 What is the value of $3 \tan 20^{\circ} \cdot \tan 45^{\circ} \cdot \tan 70^{\circ}$ ?

Ans
$\times 1.2$
X2. 1.5
$\checkmark 3.3$
$\times 4.4$
Q. 2 The value of $25 \%$ of $720+57 \div 19 \times \frac{1}{3}$ of $\frac{100}{11}$ of $\frac{33}{25}-15 \%$ of 300 is:

Ans
X1. 127
-2. 147
X 3.157
$\times 4.191$
Q. 3 If $x^{2}+\frac{1}{x^{2}}=7$, then what is the value of $x^{3}+\frac{1}{x^{3}}$ ?

Ans
X1. 27
X
$\times 2$
3. 36
4. 18
Q. 4 If the radius of the circle is 42 cm and the angle formed at the centre by an arc is $150^{\circ}$. What is the length of the corresponding are ?

Ans

1. 66 cm
2. 110 cm
$\times 3.55 \mathrm{~cm}$
$\times 4.77 \mathrm{~cm}$
Q. 5 The sum of the length, breadth, and height of a cuboid box is 20 cm and the total surface area of cuboid is $256 \mathrm{sq} . \mathrm{cm}$. What is the maximum length (in approximate) of a stick that can be placed inside the cuboid box ?

Ans
X. 32 cm
2. 24 cm
3. 16 cm
4. 12 cm
Q. 6 The following pie-chart shows the sale of different vegetables in a day of a shop.

If total 1000 kg of vegetables were sold in a day, then what is the amount of tomatoes sold (in kg ) ?


Ans
$\times 1.100$
X2. 150
$\times 3.250$
4. 400
Q. 7 If $A+B=-5$ and $A B=6$, then find the value of $A^{3}+B^{3}$.

Ans
X1. 35
$\times 2.45$
X 3. 215
4. -35
Q. $8 \mathrm{X}, \mathrm{Y}$ and Z are three equilateral triangles. The sum of the areas of X and Y is equal to the area of Z . If the side lengths of X and Y are 6 cm and 8 cm respectively, then what is the side length of Z ?

Ans
$X 1.10 .5 \mathrm{~cm}$
2. 10 cm
X. 9.5 cm
4.9 cm
Q. 9 Diameter of a circle is 20 cm . Length of a chord AB is 10 cm . What will be the angle made by this chord at the center of this circle?

Ans

1. 45 degree
2. 90 degree
3. 75 degree
4. 60 degree
Q. 10 The ratio of the speed of the boat in still water to the speed of the stream is $8: 3$ and the boat can travel 22 km downstream in 24 minutes. Then, how much time will the boat take to cover 50 km upstream?

Ans

1. 3 hrs
2. 4 hrs
3. 2.5 hrs
4. 2 hrs
Q. 11 What is the value of $\frac{4 x^{2}+9 y^{2}+12 x y}{144}$ ?

Ans

1. $\left(\frac{x}{6}+\frac{y}{4}\right)^{2}$
2. $\left(\frac{x}{3}+y\right)^{2}$
3. $\left(\frac{x}{3}+\frac{y}{4}\right)^{2}$
x4. $\left(\frac{x}{4}+\frac{y}{6}\right)^{2}$
Q. 12 If $m=\sec \theta-\tan \theta$ and $n=\operatorname{cosec} \theta+\cot \theta$, then what is the value of $m+n(m-1)$ ?

Ans

1. 0
2. 2
3. 1
4. -1
Q. 13 The line chart given below shows the number of pencil sold by two shopkeepers $A$ and $B$ in 5 months.


Which of the following statement is correct?
I. The number of pencil sold by A in P and Q together is 31.72 percent more than the number of pencil sold by B in S and $T$ together
II. The number of pencil sold by B in Q and R together is 105.88 percent of the number of pencil sold by A in P and I together.
Ans

1. Only II
2. Neither I nor II
3. Both I and II
4. Only I
Q. 14 If $\sin 2 \theta=\sqrt{3} / 2$, then what is the value of $\tan \theta$ ?

Ans
$\times 1.1$
2. $1 / \sqrt{3}$

X 3. $1 / 2$
$\times 4 . \sqrt{3}$
Q. 15 P can fill a tank in 5 hours, Q can fill the same tank in 10 hours. R can empty the same tank in 20 hours. How much time will all the three take together to fill the same tank?

Ans
$X 1.6$ hours
2. 4 hours
$X 3.10$ hours
$X 4.5$ hours
Q. 16 There are three numbers $P, Q$ and $R .30$ percent of $P$ is equal to the 15 percent of $Q .20$ percent of $Q$ is equal to the 10 percent of $R$. By what percent is $R$ more than $P$ ?

Ans

1. $200 \%$
2. $300 \%$

X 3. $150 \%$
X4. $250 \%$
Q. 17 The ratio of income of Jitendra, and Narendra is $4: 7$ and the ratio of their expenditure is $6: 5$ respectively. If Jitendra saves Rs. 400 out of Rs. 2,800 income, then find the savings of Narendra.

Ans

1. Rs.2,900

X 2. Rs.2,000
X 3. Rs.3,900
X 4. Rs.4,900
Q. 18 What is the sum of all three digit numbers which are divisible by 15 ?

Ans

1. 32850

X 2. 36825
3. 41200
4. 28750
Q. 19 An incircle with center $O$ is drawn inside an equilateral triangle $A B C$ and the length of the side is 12 cm . Find the area (in sq.cm) of the triangle which is not in the incircle.

Ans

1. 21.48
2. 30.64

X 3. 37.71
4. 24.64
Q. 20 Jitin's age 3 years from now will be double the average of Jitin's current age and his age 8 years ago. What was Jitin's age 5 years ago ?

Ans

1. 6 years
2. 11 years

X 3. 8 years
$\times 4.7$ years
Q. 21 A discount of 20 percent on article $A$ is equal to the discount of 15 percent on the article $B$. What is the ratio of the marked price of articles A and B?

Ans

1. $3: 4$
2. $6: 7$
3. $7: 8$
4. 6:11
Q. 22 Rs. 6000 is lent at the rate of 20 percent per annum on compound interest (compounded half yearly). What will be the compound interest of 18 months?
Ans
5. Rs. 1825
6. Rs. 1876
7. Rs. 2036
8. Rs. 1986
Q. 23 A milk merchant buys 30 litres of milk at the rate of Rs. 50 per litre and mixes 20 litres of water in it (water is free of cost). If he sells this mixture at the rate of Rs. 48 per litre, then what is the profit percentage?

Ans

1. 40 percent
$\times$ 2. 50 percent
$\times$ 3. 66.66 percent

- 4. 60 percent
Q. 24 The bar graph given below shows the cost price and selling price of four articles $\mathrm{L}, \mathrm{M}, \mathrm{N}$ and O .


Loss $=$ Cost price - Selling price
Which of the following sequence is correct for loss?
Ans
X1. $\mathrm{N}>\mathrm{O}>\mathrm{L}>\mathrm{M}$
X2. $\mathrm{O}>\mathrm{L}>\mathrm{N}>\mathrm{M}$
X 3. $\mathrm{O}>\mathrm{N}>\mathrm{M}>\mathrm{L}$

- $\mathrm{O}>\mathrm{N}>\mathrm{L}>\mathrm{M}$
Q. 25 The bar graph given below shows the sales of bikes and cars of five companies J, K, L, M and N.


PI $=$ The total sales of bikes of all the 5 companies.
$P 2=$ The total sales of cars of the all 5 companies.
What is the value of $\left(\mathrm{P}_{2}-\mathrm{P} 1\right)$ ?
Ans
$\times 1.400$
$\times 2.550$

- 3. 450

X4. 350

## Section : General awareness

Q. 1 Who is the first Indian President to be born in Independent India?

Ans
X 1. Ram Nath Kovind
2. Droupadi Murmu

X 3. Pratibha Patil
X 4. Pranab Mukherjee

| Question ID: | $\mathbf{2 6 4 3 3 0 1 2 5 0 3 8}$ |
| ---: | :--- |
| Status: | Not Attempted and <br> Marked For Review |
| Chosen Option: -- |  |

Q. 2 Which of the following combinations of tenors of Treasury bills issued by Government of India is correct?

Ans
X 1.82 days, 182 days, 345 days
2. 91 days, 152 days, 356 days

- 3.91 days, 182 days, 364 days

X 4.61 days, 145 days, 360 days
Q. 3 Wages/day under Mahatma Gandhi NREGA is $\qquad$ , w.e.f. 1st April, 2020, as per Economic Survey 2020-21.

Ans
X 1. Rs 152
2. Rs 202

X 3. Rs 182
4. Rs 412
Q. 4 India's National Air Sports Policy was released in the year $\qquad$ -
Ans

1. 2012
2. 2000
3. 2022
4. 2016
Q. 5 What is the full form of FTP?

Ans

1. File transfer paging
2. File transfer protocol
3. File text paging
4. File text protocol

## Q. 6 Sheetal wants to create financial statements for her business. Which among the

 following software should she use for the same?Ans

1. Presentation software
2. System software
3. Multimedia software
4. Spread sheet software
Q. 7 Which among the following festivals is celebrated as the Telugu New Year?

Ans
X 1. Dasara
X 2. Vishu

- 3. Ugadi

X 4. Monpa
Q. 8 In 1757, $\qquad$ led the Company's army against Sirajuddaulah at Plassey.
Ans $\times 1$. Lord Cornwallis
2. Robert Clive
3. Warren Hastings
4. Lord Minto
Q. 9 Breakdown of pyruvate into lactic acid and energy in lack of oxygen takes place in which of the following?
Ans
X 1. Bacteria
2. Mitochondria
3. Yeast
4. Human muscle cells
Q. 10 Fourth edition of Khelo India Youth Games was hosted by which state of India?

Ans
X 1. Madhya Pradesh
X 2. Assam
X 3. Karnataka
4. Haryana
Q. 11 Which continent provides more than half of world's tin?

Ans
X 1. Europe
X 2. North Africa
3. Asia
$\times$ 4. Africa
Q. 12 Each orbit of International Space Station (ISS) takes $\qquad$ minutes.
Ans
X1.80-82
< 2. 85-87
3. $90-93$
-4.83-86
Q. 13 Which of the following pressure belt is known as the horse latitude?

Ans

1. Equatorial Low Pressure
2. Sub - Polar Low Pressure
3. High Pressure
4. Sub - Tropical High Pressure
Q. 14 $\qquad$ is the highest peak in the Eastern Ghats.
Ans
5. Mahendragiri
6. Khasi
7. Kanchenjunga
8. Anai Mudi
Q. 15 Which among the following corridors was inaugurated by Prime Minister Narendra Modi in October 2022?

Ans

1. Mahakal Lok Corridor
2. Kashi Corridor
3. Chennai Bengaluru Industrial Corridor
4. North East Economic Corridor
Q. 16 Which of the following is mentioned in state list of the seventh schedule of the Indian constitution?

Ans
X 1. Railways
2. Betting and gambling
3. Inter-state trade and commerce
4. Post office saving Bank
Q. 17 As on November 2022, who is the first citizen of India?

Ans
X 1. Sonia Gandhi
2. Droupadi Murmu

X 3. Narendra Modi
4. Amit Shah
Q. 18 International Women's Day is celebrated on?

Ans
X 1. 12th march
2. 8th march

X 3. 8th July
X 4. 12th July
Q. 19 When the grains of sand are very fine and light, the wind can carry it over very long distances. When such sand is deposited in large areas, it is called $\qquad$ —.
Ans

1. loess
2. moraines
3. mushroom
4. stacks
Q. 20 Hari Prasad Chaurasia is associated with which of the following instruments?

Ans

1. Bansuri

X 2. Tabla
X 3. Drum
4. Veena
Q. 21 According to WHO, If a person's BMI is below 18.5 he/she is classified as $\qquad$ .
Ans

1. Healthy
2. Blind
3. Underweight

X 4. Mentally unfit
Q. 22 Who among the following was a famous ruler of the Maratha dynasty?

Ans
$\times 1$. Porus
2. Chhatrapati Shivaji Maharaj
3. Man Singh
4. Prithviraj Chauhan
Q. 23 In September 2022 at Bengaluru Space Expo (BSX) in Bengaluru, ISRO and space agency of $\qquad$ facilitated signage of half a dozen MoUs between the startups of the two countries focusing on the space tech.
Ans

1. France
2. USA
3. Israel
4. Australia
Q. 24 Which of the following pairs of "term - sports" is correct?
I. Eagle - Hockey
II. Penalty kick - Volleyball

Ans

1. Only I

X 2. Both I and II
3. Neither I nor II

X . Only II

| Question ID : | 264330125057 |
| ---: | :--- |
| Status : | Not Attempted and <br> Marked For Review |
| Chosen Option: -- |  |

Q. 25 The book titled 'The Ministry of Utmost Happiness' has been written by

Ans
X 1. Jia Pingwa
X 2. Dan Brown
3. Arundhati Roy

X 4. Sunita Narain

| Combined Higher Secondary Level Examination Tier I 2022 |  |
| :--- | :--- |
| Roll Number |  |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | 13/03/2023 |
| Exam Time | $5: 15$ PM - 6:15 PM |
| Subject | CHSL Exam 2022 Tier I |

Section : English Language
Q. 1 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct
He released the brake, and the tractor slow moved forward.
Ans

1. No improvement
$\times$ 2. slow move
X 3. slowly move
2. slowly moved
Q. 2 Fill in the blank with an appropriate option. I don't know if such thoughts have ever $\qquad$ to Liz Truss, who is still, at the time of writing, Britain's prime minister.

Ans

1. yielded
2. monitored
3. occurred
4. desisted
Q. 3 Fill in the blank with an appropriate option.

A hallucination is an error in perception that is why it is often $\qquad$ mental health issues.
Ans
X 1. accounted with
2. suspended in
3. dispose of
4. associated with
Q. 4 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
As per the study, mosquito-borne dengue fever infects little 400 million people annually.
Ans

1. As per the study, mosquito-borne
2. No error
3. dengue fever infects little
4. 400 million people annually.
Q. 5 Identify the segment in the sentence which contains a grammatical error. If there is no error, then select the option "No error".
It's 4 p.m. local time and quite a/ large crowd has gathered from yesterday/ evening around the giant stage.

Ans
X 1. evening around the giant stage.
2. large crowd has gathered from yesterday
3. No error
4. It's 4 p.m. local time and quite a
Q. 6 Select the most appropriate meaning of the given idiom. Give cold shoulder
Ans
X 1. Start doing something before the appropriate time
X 2. Be guiltless
3. Think only of one thing
4. Ignore, avoid or be unfriendly towards someone
Q. 7 Select the correctly spelt word.

Ans
$X 1$. Indiet
X 2. Indit

- 3. Indict

X 4. Indicte
Q. 8 Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
The dog will whine at the door when he wants to go out.
Ans
$X$ 1. wants to gone
2. want to go
3. No improvement
4. wants to going
Q. 9 Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. In case no improvement is needed, select 'No improvement'.
The businessman also insisted (that the police had issued him several summons).
Ans

1. that the police issued him with several summonses
2. that the police issued him several summons
3. No improvement
4. that the police had issued him several summonses
Q. 10 Select the word that is closest in meaning (SYNONYM) to the word given below. Conscientious
Ans
X 1. Savage
5. Casual

X 3. Carefree
4. Sedulous
Q. 11 Select the word that is closest in meaning (SYNONYM) to the word given below. Vigorous
Ans

1. Strenuous
2. Delicate
3. Torpid
4. Guarded
Q. 12 Select the correctly spelt word.

Ans

1. Ingenous
2. Ingenious
3. Inginious
4. Ingenius
Q. 13 Choose the word that means the same as the given word. Edacious

Ans
X 1. Solvent
2. Gluttonous
3. Insolvent
4. Satiated
Q. 14 Select the option that will improve the (bracketed) part of the sentence. In case of no improvement select the option 'No improvement'
The detention (arised two distinct) but closely linked questions.
Ans

1. raised two distinct
2. rises two distinct
3. No improvement
4. increased two distinct
Q. 15 Given below are four jumbled sentences. Pick the option that gives their correct order.
P. Many years ago, Paul Bunyan was born in the north-eastern American state of

## Maine.

Q. His mother and father were shocked when they first saw the boy.
R. Paul was so large at birth that five large birds had to carry him to his parents.

S . When the boy was only a few weeks old, he weighed more than forty-five kilograms.
Ans
< 1. QRPS
2. PQRS

X 3.PSQR
X4.SPRQ
Q. 16 In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To twiddle one's thumbs
Ans

1. To be idle
2. To play safe
3. To waste one's resources
4. To show no mercy
Q. 17 Select the correct passive form of the given sentence. Khushi wiped down the tables.

Ans

1. The tables were being wiped down by Khushi.
2. The tables was wiped down by Khushi.
3. The tables are wiped down by Khushi.
4. The tables were wiped down by Khushi.
Q. 18 Given below are four jumbled sentences. Pick the option that gives their correct order. Mount Everest is a peak in the Himalaya mountain range.
P. It is located between Nepal and Tibet, an autonomous region of China.
Q. At 8,849 meters ( 29,032 feet), it is considered the tallest point on Earth.
R. In the nineteenth century, the mountain was named after George Everest, a former Surveyor General of India.
S . The Tibetan name is Chomolungma, which means "Mother Goddess of the World." The Nepali name is Sagarmatha, which has various meanings.

Ans

1. PQRS
2. SPQR
3. SRQP
4. RPSQ
Q. 19 Choose the option that is the correct direct form of the sentence.

She said that she would not be coming to the school that day.
Ans
X 1. She had said "She must not be coming to the school today".
2. She said, "You will not be coming to the school today".
3. She said, "I may not come to the school tomorrow."
4. She said, "I will not be coming to the school today".
Q. 20 Choose the word that is opposite in meaning to the given word.

Partial
Ans
X 1. Truce
2. Sufficient
3. Whole
4. Broke

## 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 blank.
Snakes are elongated, legless, carnivorous 1. $\qquad$ that can be distinguished from legless
lizards by 2. $\qquad$ lack of eyelids and external ears. 3. $\qquad$ species of snakes have
skulls with several more joints than their lizard ancestors, 4. $\qquad$ them to swallow prey
much larger than their heads with their highly mobile jaws. To accommodate their narrow bodies, snakes' paired organs (such as kidneys) appear one in front of the other instead of side 5. $\qquad$ side, and most have only one functional lung.

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

Ans
X 1. birds
2. reptiles

X 3. mammals
X4. amphibians

## 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 blank.
Snakes are elongated, legless, carnivorous 1. $\qquad$ that can be distinguished from legless lizards by 2. $\qquad$ lack of eyelids and external ears. 3. $\qquad$ species of snakes have skulls with several more joints than their lizard ancestors, 4. ___ them to swallow prey much larger than their heads with their highly mobile jaws. To accommodate their narrow bodies, snakes' paired organs (such as kidneys) appear one in front of the other instead of side 5. $\qquad$ side, and most have only one functional lung.

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

Ans
$X 1$. those
$X$ 2. them
3. their
$\times 4$. there

## 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 blank.
Snakes are elongated, legless, carnivorous 1. $\qquad$ that can be distinguished from legless lizards by 2. $\qquad$ lack of eyelids and external ears. 3. $\qquad$ species of snakes have
skulls with several more joints than their lizard ancestors, 4. $\qquad$ them to swallow prey much larger than their heads with their highly mobile jaws. To accommodate their narrow bodies, snakes' paired organs (such as kidneys) appear one in front of the other instead of side 5. $\qquad$ side, and most have only one functional lung.

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

Ans
X 1. Lots
2. Many

X 3. Few
$X$ 4. Much

## 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 blank.
Snakes are elongated, legless, carnivorous 1. $\qquad$ that can be distinguished from legless
lizards by 2. $\qquad$ lack of eyelids and external ears. 3. $\qquad$ species of snakes have
skulls with several more joints than their lizard ancestors, 4. $\qquad$ them to swallow prey
much larger than their heads with their highly mobile jaws. To accommodate their narrow bodies, snakes' paired organs (such as kidneys) appear one in front of the other instead of side 5. $\qquad$ side, and most have only one functional lung.

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

Ans
X 1. compelling
X 2. prevailing
3. enabling

X 4. disabling

## 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 blank.
Snakes are elongated, legless, carnivorous 1. $\qquad$ that can be distinguished from legless lizards by 2. $\qquad$ lack of eyelids and external ears. 3. $\qquad$ spec skulls with several more joints than their lizard ancestors, $\qquad$ of snakes have them to swallow prey much larger than their heads with their highly mobile jaws. To accommodate their narrow bodies, snakes' paired organs (such as kidneys) appear one in front of the other instead of side 5. $\qquad$ side, and most have only one functional lung.

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

Ans
X 1 . over
$\times 2$. of
X 3. and
4. by

## Section : General Intelligence

Q. 1 In the following question, select the missing number from the given series. 42, 163, 307, 476, ?

Ans
$\times 1.648$
$\times 2.632$
$\times 3.684$

- 4.672
Q. 2 Select the figure that will come next in the following figure series.


Ans

$\times 2$.

$\times 3$.

$\times 4$.

Q. 3 In the following question, select the related letters from the given alternatives.

DFH : HFD :: QSU : ?
Ans
X 1.UQS
2. USQ
$X$ 3.uUs
$\times 4$. SQO
Q. 4 In the following question, select the odd word pair from the given alternatives.

Ans
$X 1$. China - Yuan
X 2. Thailand - Baht
3. Lira - Turkey

X 4. Japan - Yen
Q. 5 How many triangles are there in the given figure?


Ans
$\times 1.22$
2. 20

X 3.19
X4. 21
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. Meghalaya : Shillong ::?
Ans

1. Rajasthan: Jaipur
2. Bihar: Ranchi
3. Ahmedabad : Gujarat
4. Dispur : Assam
Q. 7 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans

$\times 2$

$\times 3$.

$\times 4$.

Q. 8 By Interchanging the given two numbers (Not digits) which of the following equation will be correct?
8 and 7
I. $8+7 \times 9 \div 3-6=25$
II. $7 \times 5-8+6 \div 2=38$

Ans
(1. Only II
2. Both I and II
3. Only I
4. Neither I nor II
Q. 9 In a certain code language, 'BITCOIN' is coded as 'AJSDNJM'. What is the code for the word 'CURRENCY' in that language?

Ans

1. BVSQDOBZ
2. BVQSODBZ
3. BVQSDOBZ
4. BVSQUZOD
Q. 10 How many register are neither tools nor sword?


Ans
$\times 1.24$
2. 18
$\times 3.15$
X4. 25
Q. 11 By folding the given paper, which of the following box can be made?


Ans

$\times 2$.

$\times 3$.

$\times 4$.

Q. 12 If ‘ + ' means ' - ', ' $x$ ’ means ' + ', ‘ - ' means ' $\div$ ’ and ' $\div$ ’ means ' $x$ ', then what will come in place of '?' in the given expression?
$72 \times 19 \div 13+16-? \div 15 \times 7=266$
Ans
$\times 1.32$
$\times 2.16$

- 3. 

$\times 4.2$
Q. 13 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
$\times 1.317-713$

- 2. 342-243

3. $749-974$
4. $643-346$
Q. 14 Ashok's brother's sister is the wife of Ram's son Rahul. How is Ashok related to Rahul's daughter?

Ans
$x$ 1. Son
X 2. Brother
$\checkmark$
3. Mother's brother
4. Father's brother
Q. 15 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans

$\times 2$

$\times 3$

$\times 4$

Q. 16 Select the word pair in which the words are related in the same way as the words are related in the following pair:
Hook Pass : Basketball : ?
Ans
X 1. Grandmaster : Volleyball
2. Jockey: Hockey
3. Butterfly strokes: Swimming
4. LBW : Football
Q. 17 Select the option figure in which the given figure is embedded. (rotation is NOT allowed)


Ans
$\checkmark 1$.

$\times 2$.

$\times 3$.

$\times 4$.

Q. 18 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
xy_zx_xzxy_-
Ans
X 1. xxyz
2. $x y x x$
3. $x y x z$
4. yxyz
Q. 19 Arrange the given words in the sequence in which they occur in the dictionary.

1. Cosmip
2. Costume
3. Cosment
4. Cosmopolitan
5. Cost

Ans
X 1. 3, 1,4,2,5
2. $3,1,4,5,2$
3. 5, 1,2,4,3
4. 5,1,2,3,4
Q. 20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s)from the statements.
Statement I: All unions are intersections.
Statement II: All intersections are negations.
Conclusion I: Some negations are intersections.
Conclusion II: No union is a negation.
Ans

1. Only I follows
2. Neither I nor II follows
3. Both I and II follows
4. Only II follows
Q. 21 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
5. 13 - 2199
6. 14-2745
7. $12-1729$
8. $17-4914$
Q. 22 Out of the given letter clusters, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.
Ans
9. BDF
10. UWY
11. IKM
12. PRS
Q. 23 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)
$(14,28,2)$
$(3,42,14)$
Ans
X $1 .(5,35,8)$
13. $(17,68,4)$
< 3. $(9,99,10)$
14. $(16,36,3)$
Q. 24 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. 6 : 1296 :: ? : 6561 :: 5 : 625

Ans
$\times 1.4$
2. 9
$\times 3.7$
4. 11
Q. 25 In a certain code language, '567' is coded as 'high and low', '629' is coded as 'Building are high', and '531' is coded as 'hot and sour'. What is the code for the word 'low' in that language?
Ans

- 1.2

2. 6
3. 7
4. 5

Section : Quantitative Aptitude
Q. 1 The cost price of two dozen bananas is Rs. 30. After selling 15 bananas at the rate of Rs. 12 per dozen, the shopkeeper sells the remaining bananas at the rate of Rs. 5 per dozen. What is the loss percentage?

Ans
$X$ 1. 22.5 percent
$\times$ 2. 25 percent
$\checkmark$ 3. 37.5 percent
X4. 30 percent
Q. 2 If $x-y=8$ and $8 x y=8$, then what is the value of $2 x^{3}-2 y^{3}$ ?

Ans
$\times 1.536$
X2. 1092

- 3. 1072

X4. 1608
Q. 3 The line chart given below shows the marks obtained by two students $P$ and $Q$ in 6 subjects.


Which of the following statement is correct?
I. The average of marks obtained by P in S 1 and S 2 is 70 .
II. The ratio of marks obtained by Q in S 3 to the marks obtained in S 4 are $13: 7$.

Ans
$x$ 1. Only II
2. Both I and II
$X$ 3. Only I
$X$ 4. Neither I nor II
Q. 4 If $a+b+c=12$ and $a b+b c+c a=22$, then what is the value of $a^{3}+b^{3}+c^{3}-3 a b c$ ?

Ans
X1. 1052
$\checkmark 2.936$
X 3. 924
$\times 4.876$
Q. 5 If $\triangle P Q R$ is right angled at $Q$, then what is the value of $\cos (P+R)$ ?

Ans
$X 1.0 .5$
$\times 2.1$
$\times \quad .1$
$\times 3.0 .2$
-4. 0
Q. 6 Angle subtended by a chord on the major arc of the circle is 50 degree. What is the angle subtended by the same chord on the centre of the circle?

Ans

1. 100 degree
2. 120 degree
3. 140 degree
4. 25 degree
Q. 7 The line chart given below shows production of rice by two companies A and B in 5 years.

$\mathrm{J} 1=$ The average production of rice by A in years $\mathrm{L}, \mathrm{M}$ and N .
$\mathrm{J} 2=$ The production of rice by B in years $\mathrm{N}, \mathrm{P}$ and Q .
What is the value of $(\mathrm{J} / \mathrm{J} 1)$ ?
Ans
$\times 1.1 .23$
5. 3.31
$\times 3.6 .53$
$\times 4.7 .15$
Q. 8 If $3 \tan \theta=2$, what is the value of $(3 \sin \theta-\cos \theta) /(3 \sin \theta+\cos \theta)$ ?

Ans

1. 1
2. 3
3. $1 / \sqrt{3}$
4. $1 / 3$
Q. 9 What is the expansion of $\left(1-\frac{1}{\mathrm{p}}\right)^{2}$ ?

Ans
⒈ $1+\frac{2}{\mathrm{p}}-\frac{1}{\mathrm{p}^{2}}$
2. $1-\frac{2}{\mathrm{p}}+\frac{1}{\mathrm{p}^{2}}$

X 3. $1-\frac{2}{\mathrm{p}}-\frac{1}{\mathrm{p}^{2}}$
× 4. $1+\frac{2}{\mathrm{p}}+\frac{1}{\mathrm{p}^{2}}$
Q. 10 If $\sqrt{3} \tan ^{2} \theta-4 \tan \theta+\sqrt{3}=0$, then what is the value of $\tan ^{2} \theta+\cot ^{2} \theta$ ?

Ans
⒈ $4 / 3$
2. $10 / 3$
$\times 3.3$
4. $6 / 5$
Q. 11 In an election between two candidates, one got $60 \%$ of the total valid votes, $90 \%$ of the votes were valid. If the total number of votes was 12000 , then what was the number of valid votes that the other candidate got?

Ans

1. 8840
2. 4320
3. 10800
4. 6200
Q. 12 If $\mathrm{P}: \mathrm{Q}=1: 3, \mathrm{Q}: \mathrm{R}=3: 4$ and $\mathrm{R}: \mathrm{S}=2: 1$, then what is the value of $\mathrm{P}: \mathrm{S}$ ?

Ans
$\times 1.3: 1$
X2. $2: 1$
) 3. $1: 2$
X4. $3: 2$
Q. 13 What is the area of a rhombus whose diagonals are of 8 cm and 13 cm ?

Ans

1. $52 \mathrm{~cm}^{2}$

X $2.96 \mathrm{~cm}^{2}$
X $3.44 \mathrm{~cm}^{2}$
$\times 4.84 \mathrm{~cm}^{2}$
Q. 14 The marked price of a calculator is Rs. 1200. It is sold at a discount of 25 percent. If the cost price of the calculator is Rs. 800 , then what is the value of profit?
Ans

1. Rs. 100

X 2. Rs. 50
X 3. Rs. 150
X4. Rs. 200
Q. 15 If 50 boys can fimish a work in 30 days by working 6 hours per day, then how many hours per day should 25 boys work to finish that work within 24 days?
Ans

1. 18 hours
2. 10 hours
3. 12 hours
4. 15 hours
Q. 16 The line chart given below shows the marked price and selling price of 7 articles.


The total marked price of all the articles is how much percent more than the total selling price of all articles?
Ans
X 1.82 .21 percent
$\times 2.58 .68$ percent
3. 78.37 percent

X4. 89.26 percent
Q. 17 PM and PN are two tangents of a circle from an extemal point $P . M$ and $N$ are points on the circle. If $P M=y^{2}-9$ and $\mathrm{PN}=55$, then what is the value of y ?

Ans

1. 64
2. 17
3. 8
4. 12
Q. 18 ABCD is a cyclic quadrilateral, AB is diameter of the circle. If angle $\angle \mathrm{ACD}=45^{\circ}$, then what is the value of $\angle \mathrm{BAD}$ ?

Ans
$\times 1.90^{\circ}$
2. $45^{\circ}$

X $3.135^{\circ}$
$\times 4.35^{\circ}$
Q. 19 If Manoj cycles at 12 kmph instead of 10 kmph , he would have cycled 15 km more. What is the actual distance cycled by him?
Ans

1. 105 km
2. 150 km
3. 75 km
4. 120 km
Q. 20 The average monthly income of $A$ and $B$ is Rs. 7,000. The average monthly income of $B$ and $C$ is Rs. 7,750 and the average monthly income of $C$ and $A$ is Rs. 6,750 . What is the monthly income of $B$ ?

Ans

1. Rs.6,500
2. Rs. 8,000
3. Rs. 7,500
4. Rs.6,000
Q. 21 The following bar graph shows the favourite sport of the students of a school. Which sport is favourite sport of maximum students?


Ans

1. Football
$X$ 2. Cricket
$X$ 3. Tennis
X 4. Hockey
Q. 22 A certain sum becomes Rs. 1,050 in 5 years and Rs. 1,230 in 8 years at simple interest. What is the sum?

Ans

1. Rs. 950
2. Rs. 700
3. Rs. 650
4. Rs. 750
Q. 23 Which of the following statement is true?
I. $\frac{1}{2}+\frac{1}{6}+\frac{1}{12}+\ldots \ldots \frac{1}{110}<\frac{5}{6}$
II. $\frac{1}{3}+\frac{1}{15}+\frac{1}{35}+\ldots \ldots \frac{1}{143}>\frac{7}{13}$

Ans
$x$ 1. Only I
$X$ 2. Both I and II
$X$ 3. Only II
4. Neither I nor II
Q. 24 The length of the diagonals of a rhombus is 40 cm and 60 cm . What is the length of the side of the rhombus?

Ans

1. $50 \sqrt{3} \mathrm{~cm}$
2. $20 \sqrt{ } 3 \mathrm{~cm}$
3. $10 \sqrt{ } 13 \mathrm{~cm}$
4. $40 \sqrt{ } 13 \mathrm{~cm}$
Q. 25 What is the value of $a$ ?

If $15+18 \div 3 \times 5-12 \div 4+a=100$
Ans
$\times 1.54$
-2. 58
$\times 3.48$
X4. 42

Section : General awareness
Q. 1 Which of the following pairs of 'soil - characteristics' is correct?
I. Sandy - proportion of fine particles is relatively higher
II. Clayey - greater proportion of big particles

Ans

1. Only I
2. Neither I nor II
3. Both I and II
4. Only II
Q. 2 Malic Acid is found in which of the following substances?

Ans

1. Apple
2. Vinegar
3. Ant's sting
4. Tamarind
Q. 3 $\qquad$ became the first bank to get Reserve Bank of India's approval for rupee trade.

Ans

1. SBI Bank

X 2. Axis Bank
3. UCO Bank

X 4. ICICI Bank
Q. 4 Ugadi is a Telugu festival celebrated on the occasion of $\qquad$ -.
Ans
X 1. birth of lord Krishna
X 2. birth of lord Rama
X 3. coming of monsoon
4. Telugu new year
Q. 5 Which Indian city is also known as Queen of Deccan?

Ans $\times 1$. Ahmedabad
2. Pune
3. Amritsar
4. Puducherry
Q. 6 Which of the following Constitutional Amendment Act added the Right to Education to the Indian constitution?

Ans
X 1.85th
2. 88th
3. 87th
4. 86th
Q. 7 In which of the following ways, aggregate demand function is related to consumption function?
I. They have the same slope $C$.
II. The aggregate demand function is parallel to the consumption function.

Ans

1. Neither I nor II
2. Only II
3. Only I
4. Both I and II
Q. $8 \ldots$, a 500-year-old dance form, is an Indian Classical dance that developed from the Vaishnavite monasteries of Assam.

Ans
X 1. Kuchipudi
2. Bharatnatyam
3. Sattriya
4. Mohiniattam
Q. 9 Who is famously known as the Tiger of Mysore?

Ans
X 1. Baji Rao I
2. Tipu Sultan

X 3. Sheikh Mohammad Abdullah
4. Asaf Jah I
Q. 10 What is the venue for 4th Edition of Khelo India Youth Games?

Ans
(1. Maharashtra
2. Delhi
3. Gujarat
4. Haryana
Q. 11 Apple II is an example of $\qquad$ Generation of computer.
Ans
$\times 1$. Third
2. Second

X 3. First
4. Fourth

## Q. 12 What is the full form of HTTP?

Ans

1. High Text Transmission Protocol

X 2. Hyper Text Transmission Protocol

- 3. Hyper Text Transfer Protocol

X 4. High Text Transfer Protocol
Q. 13 Which of the following statements is correct regarding the Lucknow Pact?
I. It was signed in the year 1916.
II. It was signed between the moderate and radical factions of Congress.

Ans
X 1. Both I and II
2. Neither I nor II
3. Only I

X 4. Only II
Q. 14 Which of the following Airport become 1st airport in India to be run entirely on hydro and solar energy?

Ans

1. Indira Gandhi International Airport, Delhi
2. Chennai International Airport, Tamil Nadu
3. Dabolim Airport, Goa
4. Chhatrapati Shivaji Maharaj International Airport, Mumbai
Q. 15 Which of the following statements regarding the deccan plateau is NOT correct?

Ans
$X$ 1. The Deccan Plateau is higher in the west and slopes gently eastwards.
$X$ 2. The Deccan Plateau is a triangular landmass.
$\chi$ 3. An extension of the Plateau is also visible in the northeast.
4. The Satpura range flanks its broad base in the west.
Q. 16 Which of the following pair of "player - sports" is correct?
I. Lovlina Borgohain - Boxing
II. Nikhat Zareen - Wrestling

Ans

1. Neither I nor II
2. Both I and II
3. Only II
4. Only I
Q. 17 Which country's moon mission has mapped out the global distribution of sodium on the Moon's surface in October 2022?

Ans

1. United States of America
2. Russia
3. India
$X$ 4. China
Q. 18 In which part of the Indian constitution are the provisions related to panchayat mentioned?
Ans
4. Part XI
5. Part IX
6. Part IX A
7. Part X
Q. 19 Who was the first Indian woman to win an Olympic medal?

Ans

1. Neelamshetty Appanna
2. Karnam Malleswari

X 3. Saina Nehwal
4. Sakshi Malik
Q. 20 The Young Bengal Movement was founded by $\qquad$ _.
Ans

1. Henry Louis Vivian Derozio
2. Dayanand Saraswati
3. Lala Hansraj
4. Keshab Chandra Sen
Q. 21 Who won the women's singles title at the US Open 2022?

Ans

1. Iga Swiatek
2. Serena Williams
3. Venus Williams
4. Ons Jabeur
Q. 22 Which of the following is NOT an inner planet of our solar system?

Ans
X 1. Mars
$\times 2$. Venus
X 3. Mercury
-
4. Jupiter
Q. 23 In the XXI phase of sale of electoral bonds can be only purchase from which of the following institution?
Ans
X 1. NITI Aayog
2. RBI
3. SEBI
4. SBI
Q.24 According to which of the following laws, the pressure of a mixture of gases is equal to the sum of the partial pressures of the component gases?

Ans
X 1. Charles' Law
X 2. Boyle's Law3. Dalton's Law

X 4. Graham's Law
Q.25 El Nino is a name given to the periodic development of a warm ocean current along the coast of

Ans
X 1. Columbia
2. Peru
< 3. Chile
4. Bolivia

