BExampapers247

## SSC CHSL

Previous Year Paper 2021
(Held on: 31 May 2022 Shift 1) English

## Combined Higher Secondary Level Examination 2021 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $31 / 05 / 2022$ |
| Exam Time | $9: 00$ AM - 10:00 AM |
| Subject | CHSL 2021 Tier I |

## Section : English Language

Q. 1 Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error. He continued staring at the elephant, as if he had not see one before.

Ans

1. as if he had not see
2. staring at the elephant
3. one before
4. He continued
Q. 2 Select the most appropriate option that can substitute the underlined segment in the given sentence.
A visit in Ladhak is a must these days.
Ans
$\times 1$ from
5. to
6. for
7. at
Q. 3 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The NCERT was set up ahead by the government to assist and advise the Central and State Governments on policies and programmes for qualitative improvement in school education.

Ans
X 1. was set off
$\times$ 2. was set forward
X 3. was set over
4. was set up
Q. 4 Select the most appropriate option fill in the blank.

I have been studying this course $\qquad$ two years now.
Ans
Х 1. through
< 2 . since

- 3.for

X 4. almost
Q. 5 Select the most appropriate synonym of the given word. Incite

Ans
X 1. Pacify
$\times 2$. Tighten
3. Inflame

X 4. Quote
Q. 6 Select the option that expresses the given sentence in active voice This match is being watched today by more than thirty-three million people worldwide.
Ans
X 1 . This match is watching more than thirty-three million people worldwide today.
X 2. More than thirty-three million people worldwide have been watching this match today.
3. More than thirty-three million people worldwide are watching this match today.

X 4. Today more than thirty-three million people worldwide have watched this match.
Q. 7 Select the most appropriate meaning of the given idiom. Sum and substance
Ans

1. Essence

人 2. Difficulty
$\times 3$. Deliberation
X 4. Assessment
Q. 8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
A.The current concern is that it is rising day by day due to various resources of pollutants.
B.It has been there in different forms since a long time, even before human evolution, such as volcanic eruptions, wildfire which led to various photochemical reactions in the atmosphere.
C.Pollution has become a very common yet serious issue in today's world.
D.And, one of the main pollutants are humans and man-made machines.

Ans

1. CBAD
$\times 2 . A B C D$
X 3. CDBA
$\times 4$. CADB
Q. 9 Select the most appropriate meaning of the given idiom. Under duress
Ans
2. Under pressure
< 2. Under shelter
X 3. Under confusions
3. Under support
Q. 10 Select the most appropriate meaning of the given idiom.

Apple of one's eye
Ans

1. Very dear
$\chi 2$. Very harmful
2. Very useful
3. Very far
Q. 11 Select the option that can be used as a one-word substitute for the given group of words.
Direct and outspoken
Ans
4. Forthright
5. Fortitude
(3. Formica
6. Fortify
Q. 12 From among the words given in bold, select the INCORRECTLY spelt word in the following sentence.
Now I will not shoot a sloth bear wantanly but unfortunately for the poor beast.
Ans
$\times 1$. unfortunately
X 2. sloth
$\chi$ 3. beast
7. wantanly
Q. 13 Select the most appropriate ANTONYM of the given word. Pretence
Ans
8. Reality

X 2. Impotence
3. Arrogance
4. Intolerance
Q. 14 Select the INCORRECTLY spelt word.

Ans

1. Repitetion
2. Portray
3. Procedure
4. Separate

Question ID : 26433039869
Q. 15 Spot the error in the given sentence and select the correct sentence from the options given.
Is Savita is joining us for lunch today?
Ans

1. Is Savita joining us for lunch today?
$\times 2$. Savita is joined us for lunch today?
$\times 3$. Savita joining us for lunch today?
$\times 4$. Are Savita joining us for lunch today?
Q. 16 Select the most appropriate ANTONYM of the given word.

Precocious
Ans
$\times 1$. Liberal
$\times 2$. Gentle
3. Backward
$\times$ 4. Lenient
Q. 17 Complete the collocation.

I met my professor yesterday and we $\qquad$ a long conversation about books and work.
Ans
$X 1$ did
X 2. spoke
3. had
$\times 4$. talked
Q. 18 Select the most appropriate synonym of the given word. Fleck
Ans

1. Spot
$\times 2$. Neglect
X 3. View
2. Fault
Q. 19 Select the option that expresses the given sentence in passive voice. The finance minister will announce the budget.
Ans
X 1. The budget will have announced by the finance minister.
$\times 2$. The budget were announced by the finance minister.
X 3. The budget are announced by the finance minister.
3. The budget will be announced by the finance minister.
Q. 20 Select the option that can be used as a one-word substitute for the given group of words. Allowing or assisting to discover
Ans
X1. Conceptual
$X$ 2. Ineducative
< 3. Unempirical
4. Heuristic

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans

1. reflects
2. thinks
3. groups
4. efforts

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans

1. bias
$\times 2$. advanced
X 3. neutral
X4. law

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans
$\times 1$. Regardless
$\times 2$. Against
X 3. Instead
4. Besides

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans
X 1. advisory
2 2. explanatory
X 3. contradictory

- 4. contributory


## Comprehension

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning,
co-ordination and monitoring by high-powered bodies right down to the village level.
SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

1. menace
2. solace
3. balance
4. embrace

## Section : General Intelligence

Q. 1 Which of the following numbers will replace the question mark (?) in the given series?

176, 218, 228, 291, 280, 364, 332, ?
Ans
$\times 1.435$
$\times 2.416$
ح 3.437
$\times 4.384$
Q. 2 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs, except one. Find that odd number-pair.
Ans
$\times 1.48: 7$
2. $25: 8$
$\times 3.15: 4$
$\times 4.8: 3$
Q. 3 Which letter cluster will replace the question mark(?) to complete the given series? EMXB, ?, YGRV, VDOS, SALP

Ans
Х1.BYJU
$X$ 2. JBUY
$X 3$. YUBJ
4. BJUY
Q. 4 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation. 24*6*51*31*3
Ans
X1. $=,-, \times,+$
2. $x,-,=, x$

X $3 .-, \div,=,+$
Х4.,,$+-=, \times$
Q. 5 एक महिला की ओर इशारा करते हुए रोहन ने कहा- "उसकी पुत्री का पुत्र मेरी पत्नी की पुत्री का भाई है।" वह महिला रोहन से किस प्रकार संबंधित है?

Ans
$\times 1$. बहन
2. सास
$\times 3$. माता
X4. पुत्री
Q. 6 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
5:35:: 9 : ? :: 14 : 224
Ans

1. 99
2. 113
3. 107
4. 87
Q. 7

A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

$\left.\times 3 . \left\lvert\, \begin{array}{cccc}\nabla & 0 & 0 & \nabla \\ 0 & \nabla & \nabla & 0 \\ 0 & \Delta & \Delta & 0 \\ \Delta & 0 & 0 & \Delta\end{array}\right.\right]$

Q. 8 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Knight
2. Kitchen
3. Kinship
4. Kinetic
5. Kind

Ans

1. 5, 4, 3,2, 1
$\times 2.5,3,4,2,1$
$\times 3.5,3,2,4,1$
X4.5,2,3,4,1
Q. 9 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
7:71::13:209::16:?
Ans
$\times 1.291$
$\times 2.317$

- 3.305
$\times 4.309$
Q. 10 In a certain code language, "NOPE" is coded as " 100 ", and "EGG" is coded as " 38 ". How will "LAP" be coded in that language?
Ans
$\times 1.27$
$\times 2.31$
$\times 3.29$
- 4.58
Q. 11 In a certain code language, 'STATE' is written as '38401405' and 'EXILE' is written as 5489245'. How will 'ARENA' be written in that language?
Ans
$\times 1.21810142$

2. 1365281

X 3.21181014
$\times 4.1365141$
Q. 12 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term. BIRTHDAY : HDAYBIRT :: CHILDREN : DRENCHIL :: PROGRESS : ?
Ans
X1.SSERGORP
X 2. RPOGERSS
X 3. GRESSPRO
4. RESSPROG
Q. 13 Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with
commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
All huts are houses.
No villa is a house.
Some buildings are villas.
Conclusions:
I. Some buildings are huts.
II. Some houses are buildings.
III. No hut is a villa.

Ans

1. Only conclusion III follow.
$\times 2$. Only conclusion II follows.
X 3. Both conclusions I and II follow.
X4. Only conclusion I follows.
Q. 14 Which of the following numbers will replace the question mark (?) in the given series? $5,16,28,36,71,90,234,342$, ?
Ans
$\times 1.739$
2. 793
$\times 3.893$
-4.839
Q. 15 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation. $16 * 2 * 4^{*} 8^{*} 10 * 34$
Ans
Х $1 .-,+, \times, \div,=$
ㄱ․ $\div, x,+,-,=$
3. $\div, x,-,+,=$
$\times 4 . \times, \div,-,+,=$
Q. 16 Select the correct mirror image of the given combination when the mirror is placed at XY as shown.
$\left.246 \mathrm{HJK}\right|_{\mathrm{Y}} ^{\mathrm{X}}$
Ans
$x$ 1. $\partial \Delta \operatorname{SXtH}$
X2. 9 t ZXfH
X 3. XfH9 t

Q. 17 Two different positions of the same dice are shown, the six faces of which are numbered from 11 to 16 . Select the number that will be on the face opposite to the one showing ' 15 '.


Ans
$\times 1.13$
$\times 2.12$
$\times 3.14$
ค 4.16
Q. 18 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
$t u_{--} x_{-{ }_{-}} u u_{--} x y_{--\_} v x x_{-}$
Ans
uvxyuvxtuuy
X2.uvxxtvxtuuy

- 3. $u v x y t v x t u u y$

X4.uvxytvxtuuu
Q. 19 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation 104*26*13*7*18*77
@Qmaths
$\times 1 . \times,+, \div,-,=$
2. $\div,+, x,-,=$

Х $3 . \div,-, \times,+,=$
X4. $\times,+,-, \div,=$
Q. 20 In a certain code language, 'THREE' is written as 'UISFF', and 'SEVEN' is written as 'TFWFO'. How will 'EIGHT' be written in that language?
Ans
X 1. JFHIU
2. FJHIU
$\times 3$. FJHUI
X4. JFIHU

Q． 21 Which of the following numbers will replace the question mark（？）in the given series？ 58，117，237，479，965，？
Ans
1． 1939
2． 1930
3． 1929
4． 1940

Q． 22 Select the correct mirror image of the given combination when the mirror is placed at XY as shown．
H2J4K6 $\left.\right|_{\mathrm{Y}} ^{\mathrm{X}}$
Ans
1． $\mathrm{H} S \mathrm{I}+\mathrm{X} \partial$
2． 9 Xtf H
×3．H Zft X 9
4．$\partial \mathrm{J}+\mathrm{IS} \mathrm{H}$

Q． 23 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below．
$\left.3 g y 52 \mathrm{~b}\right|_{\mathrm{N}} ^{\mathrm{M}}$
Ans
x1．bてट人gと
2．dSCү8を
×3．bSटү8を

Q. 24 How many squares are there in the given figure?


Ans
$\times 1.13$
$\times 2.15$
X 3.12
4. 14
Q. 25 Which of the following numbers will replace the question mark (?) in the given series? 12, 32,123,609,?
Ans

1. 3654
< 2.3054

- 3.3045

4. 3647

## Section : Quantitative Aptitude

Q. 1 A train crosses a 400 m -long platform in 50 seconds. It crosses another 600 m -long platform in 60 seconds. What are the length and the speed of the train?
Ans

1. $600 \mathrm{~m} ; 72 \mathrm{~km} / \mathrm{h}$
2. $550 \mathrm{~m} ; 75 \mathrm{~km} / \mathrm{h}$
3. $500 \mathrm{~m} ; 70 \mathrm{~km} / \mathrm{h}$
4. $650 \mathrm{~m} ; 74 \mathrm{~km} / \mathrm{h}$
Q. 2 If $\frac{a}{b}+\frac{b}{a}=-1, a \neq 0, b \neq 0$, then the value of $6\left(a^{3}-b^{3}\right)$ is:

Ans
$\times 1.6$
$\times 2.3$

- 3.0
$\times 4.1$
Q. 3 The curved surface area of a hemisphere is $1232 \mathrm{~cm}^{2}$. Its radius will be: (Take $\pi=22 / 7$ )

Ans
$\times 1.12 \mathrm{~cm}$

- 2.14 cm
$\times 3.16 \mathrm{~cm}$
$\times 4.10 \mathrm{~cm}$
Q. 4 The population of a city increases $5 \%$ annually in compounded manner (yearly compounding). The present population of this city is 93051 . The population of this city 2 years ago was:
Ans

1. 84400
$\times 2.84000$
<3. 88000
2. 88400
Q. 5 Asha and Bhuvan can do a piece of work in 6 days and 9 days, respectively. They work on alternate days, starting with Asha on the first day. In how many days will the work be completed?
Ans
X 1.6 days
3. 7 days
<3.9 days
$\times 4.8$ days
Q. 6 The ratio of measures of the angles of a triangle is given as $3: 4: 8$. What is the measure of the smallest of the three angles?

Ans
$\times 1.33^{\circ}$
$\times 2.39^{\circ}$
$\times 3.30^{\circ}$
4. $36^{\circ}$
Q. 7 The score in Maths of 50 students of a class is given in the following table. Calculate the mean score.

| Interval | Frequencies |
| :--- | :---: |
| $0-10$ | 2 |
| $10-20$ | 11 |
| $20-30$ | 28 |
| $30-40$ | 6 |
| $40-50$ | 3 |

Ans
$\times 1.28 .8$
$\times 2.22 .2$

- 3.24 .4

K4. 26.6
Q. 8 If $\sin x-3 \cos x=\sqrt{3} \cos x$, then the value of $\cot x$ is $\qquad$ .

Ans
x. $3-\sqrt{3}$
×2. $3+\sqrt{3}$
$\times$ 3. $\sqrt{3}$
24. $\frac{3-\sqrt{3}}{6}$
Q. 9 The marked price of a refrigerator is ₹ 60,000 . A shopkeeper offers a flat discount of ₹ 12,000 on full cash payment. Further he offers an extra discount of $5 \%$ on the marked price to his regular customers. How much does a regular customer have to pay for the refrigerator?

Ans

1. ₹45,000
2. ₹ 48,000
3. ₹ 44,000
4. ₹ 47,000
Q. 10 Soham's initial expenditure and savings were in the ratio 5: 1. His income increases by $25 \%$, while his savings increase by $20 \%$. If Soham's current expenditure is ₹ 4,347 , what was his initial income?
Ans
X1. ₹ 4,130
5. ₹ 4,140
< 3 . ₹4,150
6. ₹4,160
Q. 11 A $25 \%$ profit is made when a discount of $25 \%$ is given on the marked price of an item When the discount is $35 \%$, what will be the profit? (Give your answer correct to the nearest whole number.)
Ans
X 1.13\%
7. $8 \%$
< 3.9\%
-4.11\%
Q. 12 What is the remainder when 8127 is divided by 8 ?

Ans
1.7
$\times 2.5$
$\times 3.4$
$\times 4.6$
Q. 13 What is the surface area of a cylinder with base radius 2 cm and height 6 cm ? (Use $\pi=3.14$ )
Ans
$\times 1.73 \mathrm{~cm}^{2}$
$\times 2.88 .24 \mathrm{~cm}^{2}$
$\times 3.81 \mathrm{~cm}^{2}$

- $4.75 .36 \mathrm{~cm}^{2}$
Q. 14

The table below provides information about the number of registered voters and the percentage of registered voters who voted in a particular election in three different centers, P, Q, and R.

| Centre | Total No. of <br> registered voters | Percentage of people who <br> voted (out of the total no. of <br> registered voters) |
| :---: | :---: | :---: |
| P | 3200 | 90 |
| Q | 1850 | 80 |
| R | 2500 | 66 |

What percentage of the total number of voters registered at center $Q$ cast invalid votes, if the number of votes castes at centre Q was $25 \%$ of all votes cast at the centre?

Ans
X $1.25 \%$
$\times 2.40 \%$
-3. $20 \%$
$\times 4.75 \%$
Q. 15

If $\mathrm{p}^{4}=4354-\frac{1}{\mathrm{p}^{4}}$ then the value of $\mathrm{p}^{3}-\frac{1}{\mathrm{p}^{3}}$ can be:
Ans
1.536
$\times 2.436$
$\times 3.416$
$\times 4.516$
Q. 16 Sunila drove her car at an average speed of $45 \mathrm{~km} / \mathrm{h}$ for the first 75 km of a trip, and
then at an average speed of $70 \mathrm{~km} / \mathrm{h}$ for the remaining 45 km of the trip. If she made no stops during the trip, what was Sunila's average speed (in $\mathrm{km} / \mathrm{h}$ ) for the entire trip?
Ans

1. 52

X2. $51 \frac{3}{7}$
X3. 51

- $4.51 \frac{93}{97}$
Q. $178+[16-\{7+4-(9$ of $3+6-4 \times 7)\}]=$ ?

Ans $\times 1.21$
$\times 2.16$

- 3.18
$\times 4.23$
Q. 18 If $a: b=2: 3$ and $b: c=6: 8$, then find $a: b: c$.

Ans $\times 1.2: 3: 5$
2. 2:3:4
(3.1:2:3
$\times 4.2: 3: 6$
Q. 19 In what ratio must a grocer mix two varieties of pulses costing ₹ 15 and ₹ 20 per $\mathbf{~ k g , ~}$ respectively, so as to get a mixture worth ₹18 per kg?
Ans
X1.3:2
<2.3:4
3. $2: 3$
4. $2: 5$
Q. 20 The average of the first 43 natural numbers is:

Ans $\times 1.33$
$\times 2.44$
$\times 3.43$

- 4.22
Q. 21 If $x+y=14$, then the value of $x^{3}+y^{3}+42 x y$ is:

Ans 1.2744
$\times 2.2644$
$\times 3.2742$
$\times 4.2714$
Q. 22 If the length and the breadth of a rectangle are increased by $15 \%$ and $\mathbf{2 0 \%}$, respectively, then by how much percent the area of the rectangle will increase?
Ans

- $1.32 \%$

2. $38 \%$
3. $36 \%$
4. $48 \%$
Q. 23 If it is known that 35 students mentioned momos as their preferred food, on the basis of the information provided in the following pie chart, calculate the number of students who mentioned either rolls or Alu Parathas as their preferred food.

## Pie chart giving fractions of students

 preferring different types of food

Ans
$\times 1.116$
$\times 2.108$

- 3.112
$\times 4.120$
Q. 24 The sum of the length, breadth and depth of a cuboid is 23 cm , and its diagonal is $5 \sqrt{7} \mathrm{~cm}$. Its surface area is:

Ans
$\times 1.144 \mathrm{~cm}^{2}$
V $2.177 \mathrm{~cm}^{2}$
$\times 3.188 \mathrm{~cm}^{2}$
$\times 4.111 \mathrm{~cm}^{2}$
Q. 25 A pen was sold for ₹ 28.75 at a profit of $15 \%$. If it was sold for $₹ 25.75$, then what would have been the percentage of profit?
Ans
X1.2\%
2. $3 \%$
$\times 3.4 \%$
$\times 4.1 \%$
Q. 1 In animal cells, which membrane-bound cell organelles are generally smaller and help to separate waste products?
Ans
X 1. Plastids
X 2. Cytosols
$\times$ 3. Golgi apparatus
4. Vacuoles
Q. 2 The Men's Hockey World Cup 2023 will be organised by which of the following states?

Ans $\times 1$. Uttar Pradesh
2. Odisha
3. Punjab
4. Maharashtra
Q. 3 Agumbe, a biodiversity-rich region that receives 7640 mm of average annual rainfall in South India, is located in which state?
Ans

1. Andhra Pradesh
2. Karnataka

X 3. Tamil Nadu
X 4. Kerala
Q. 4 What resource is found in sedimentary rocks on the western and eastern flanks of the peninsula in Gujarat?
Ans

1. Gold
$\times 2$. Bauxite
X 3. Manganese
2. Petroleum
Q. 5 'Sense and Sensibility', 'Mansfield Park' and 'Emma' are written by whom among the following authors?
Ans
3. Jane Austen
4. Thomas Hardy

X 3. George Eliot
< 4. D H Lawrence
Q. 6 The $8^{\text {th }}$ T20 Women's Cricket World Cup will be organised by $\qquad$ .

Ans
$\times 1$. India
$\times 2$. England
3. South Africa

X4. Australia
Q. 7 Famous musician Shakoor Khan was associated with which of the following musical instruments?
Ans
$\times 1$. Sitar
$\times 2$. Sarod
3. Sarangi
$\times 4$. Santoor
Q. 8 A candidate seeking election as Vice-President is required to make a security deposit of $\qquad$ _.
Ans

1. ₹25,000

X 2. ₹ 20,000
X 3. ₹ 30,000
4. ₹ 15,000
Q. 9 Which ecologist's research provided revolutionary new insights into how energy and nutrients move through the ecosystems?
Ans
<1. Arthur Tansley
X 2. Ernst Haeckel
X 3. Charles Elton
4. Raymond L Lindeman
Q. 10 Metabolic reactions in our body are carried out by:

Ans

1. proteins

2 2. carbohydrates
3. lipids
4. salts
Q. 11 Famous classical dancer Vidyagauri Adkar is recognised with $\qquad$ Gharana of Indian classical dance form.

Ans
$\times 1$. Alwar
X 2. Gwalior
3. Banaras
4. Jaipur
Q. 12 Identify the component that is unique only to prokaryotes.

Ans
$X$ 1. Nucleus
X 2. Chromosomes
3. Mesosome
4. Nuclear membrane
Q. 13 Tansen, one of the well-known musicians of medieval India, was in the court of which of the following Mughal emperors?
Ans

1. Akbar
2. Aurangzeb

X 3. Babur
4. Humayun
Q. 14 Which journalist's autobiography is titled the 'Devil's Advocate: The untold story'?

Ans
X 1. Vir Sanghvi
X 2. Pranoy Roy
X 3. Vinod Dua
4. Karan Thapar
Q. 15 In January 2022, which Indian state received a loan of $₹ 1,000$ crores for the protection of social services from the World Bank?
Ans
X 1. Maharashtra
$X$ 2. Odisha
3. West Bengal
4. Assam
Q. 16 Ustad Alla Rakha is famous for his contribution to playing which of the following instruments in Indian Music?

Ans
$\times 1$. Veena
X 2. Ghatam
3. Tabla
4. Santoor
Q. 17 Guru Shyama Charan Pati, was conferred the Padma Shri for his contributions to mainly which of the following dance forms?
Ans
X 1. Kathi nacha
X 2. Santali dance
3. Chhau nritya
4. Jhumair
Q. 18 The famous novel 'Pinjar' based on riots during the Indian independence, was written by
Ans

1. Divya Prakash Dubey

X 2. Mohan Rakesh
3. Amrita Pritam

X 4. Manav Kaul
Q. 19 Identify the plant that shows adaptation through leaves that are reduced to spines.

Ans
X 1. Mimosa
$\times 2$. Rose
3. Opuntia
4. Hibiscus
Q. 20 Which of the following Hindustani musical Gharanas is the oldest among all the Khayal Gayaki styles?
Ans
X 1. Agra Gharana
2. Kirana Gharana
3. Atrauli Gharana
4. Gwalior Gharana
Q. 21 Which of the following organisations won the Etienne Glichitch Award in May 2021?

Ans
X 1. Board of Control for Cricket in India
X 2. All India Football Federation
X 3. Badminton Association of India
4. Hockey India
Q. 22 The title of Asthana Narthaki ('Resident Dancer') was bestowed upon by the Tirumala Tirupathi Devasthanam temple to whom among the following prominent dancer?
Ans

1. Maya Rao
2. Yamini Krishnamurthy
3. Sitara Devi

X 4. Uma Sharma
Q. 23 Banks issue KCC to support credit in agriculture. KCC stands for $\qquad$ .
Ans
X 1. Kisan Credit Certificate
X 2. Krishi Credit Card
X 3. Krishi Credit Certificate
4. Kisan Credit Card
Q. 24 Who among the following Indian Cricketers (Female) won Major Dhyan Chand Khel Ratna Award 2021?

Ans
X 1. Deepti Sharma
$\times 2$. Shafali Verma
X 3. Poonam Yadav
4. Mithali Raj
Q. 25 Who among the following is the recipient of Sangeet Natak Akademi for Bharatanatyam?

Ans
X 1. Vijay Shankar
X 2. Anita Ratnam
3. Geeta Chandran

X 4. AB Bala Kondala Rao

## SSC CHSL

## Combined Higher Secondary Level Examination 2021 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $31 / 05 / 2022$ |
| Exam Time | $9: 00$ AM - 10:00 AM |
| Subject | CHSL 2021 Tier I |

## Section : English Language

Q. 1 Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error. He continued staring at the elephant, as if he had not see one before.

Ans

1. as if he had not see
2. staring at the elephant
3. one before
4. He continued
Q. 2 Select the most appropriate option that can substitute the underlined segment in the given sentence.
A visit in Ladhak is a must these days.
Ans
$\times 1$ from
5. to
6. for
7. at
Q. 3 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The NCERT was set up ahead by the government to assist and advise the Central and State Governments on policies and programmes for qualitative improvement in school education.

Ans
X 1. was set off
$\times$ 2. was set forward
X 3. was set over
4. was set up
Q. 4 Select the most appropriate option fill in the blank.

I have been studying this course $\qquad$ two years now.
Ans
Х 1. through
< 2 . since

- 3.for

X 4. almost
Q. 5 Select the most appropriate synonym of the given word. Incite

Ans
X 1. Pacify
$\times 2$. Tighten
3. Inflame

X 4. Quote
Q. 6 Select the option that expresses the given sentence in active voice This match is being watched today by more than thirty-three million people worldwide.
Ans
X 1 . This match is watching more than thirty-three million people worldwide today.
X 2. More than thirty-three million people worldwide have been watching this match today.
3. More than thirty-three million people worldwide are watching this match today.

X 4. Today more than thirty-three million people worldwide have watched this match.
Q. 7 Select the most appropriate meaning of the given idiom. Sum and substance
Ans

1. Essence

人 2. Difficulty
$\times 3$. Deliberation
X 4. Assessment
Q. 8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
A.The current concern is that it is rising day by day due to various resources of pollutants.
B.It has been there in different forms since a long time, even before human evolution, such as volcanic eruptions, wildfire which led to various photochemical reactions in the atmosphere.
C.Pollution has become a very common yet serious issue in today's world.
D.And, one of the main pollutants are humans and man-made machines.

Ans

1. CBAD
$\times 2 . A B C D$
X 3. CDBA
$\times 4$. CADB
Q. 9 Select the most appropriate meaning of the given idiom. Under duress
Ans
2. Under pressure
< 2. Under shelter
X 3. Under confusions
3. Under support
Q. 10 Select the most appropriate meaning of the given idiom.

Apple of one's eye
Ans

1. Very dear
$\chi 2$. Very harmful
2. Very useful
3. Very far
Q. 11 Select the option that can be used as a one-word substitute for the given group of words.
Direct and outspoken
Ans
4. Forthright
5. Fortitude
(3. Formica
6. Fortify
Q. 12 From among the words given in bold, select the INCORRECTLY spelt word in the following sentence.
Now I will not shoot a sloth bear wantanly but unfortunately for the poor beast.
Ans
$\times 1$. unfortunately
X 2. sloth
$\chi$ 3. beast
7. wantanly
Q. 13 Select the most appropriate ANTONYM of the given word. Pretence
Ans
8. Reality

X 2. Impotence
3. Arrogance
4. Intolerance
Q. 14 Select the INCORRECTLY spelt word.

Ans

1. Repitetion
2. Portray
3. Procedure
4. Separate

Question ID : 26433039869
Q. 15 Spot the error in the given sentence and select the correct sentence from the options given.
Is Savita is joining us for lunch today?
Ans

1. Is Savita joining us for lunch today?
$\times 2$. Savita is joined us for lunch today?
$\times 3$. Savita joining us for lunch today?
$\times 4$. Are Savita joining us for lunch today?
Q. 16 Select the most appropriate ANTONYM of the given word.

Precocious
Ans
$\times 1$. Liberal
$\times 2$. Gentle
3. Backward
$\times$ 4. Lenient
Q. 17 Complete the collocation.

I met my professor yesterday and we $\qquad$ a long conversation about books and work.
Ans
$X 1$ did
X 2. spoke
3. had
$\times 4$. talked
Q. 18 Select the most appropriate synonym of the given word. Fleck
Ans

1. Spot
$\times 2$. Neglect
X 3. View
2. Fault
Q. 19 Select the option that expresses the given sentence in passive voice. The finance minister will announce the budget.
Ans
X 1. The budget will have announced by the finance minister.
$\times 2$. The budget were announced by the finance minister.
X 3. The budget are announced by the finance minister.
3. The budget will be announced by the finance minister.
Q. 20 Select the option that can be used as a one-word substitute for the given group of words. Allowing or assisting to discover
Ans
X1. Conceptual
$X$ 2. Ineducative
< 3. Unempirical
4. Heuristic

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans

1. reflects
2. thinks
3. groups
4. efforts

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans

1. bias
$\times 2$. advanced
X 3. neutral
X4. law

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans
$\times 1$. Regardless
$\times 2$. Against
X 3. Instead
4. Besides

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans
X 1. advisory
2 2. explanatory
X 3. contradictory

- 4. contributory


## Comprehension

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning,
co-ordination and monitoring by high-powered bodies right down to the village level.
SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

1. menace
2. solace
3. balance
4. embrace

## Section : General Intelligence

Q. 1 Which of the following numbers will replace the question mark (?) in the given series?

176, 218, 228, 291, 280, 364, 332, ?
Ans
$\times 1.435$
$\times 2.416$
ح 3.437
$\times 4.384$
Q. 2 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs, except one. Find that odd number-pair.
Ans
$\times 1.48: 7$
2. $25: 8$
$\times 3.15: 4$
$\times 4.8: 3$
Q. 3 Which letter cluster will replace the question mark(?) to complete the given series? EMXB, ?, YGRV, VDOS, SALP

Ans
Х1.BYJU
$X$ 2. JBUY
$X 3$. YUBJ
4. BJUY
Q. 4 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation. 24*6*51*31*3
Ans
X1. $=,-, \times,+$
2. $x,-,=, x$

X $3 .-, \div,=,+$
Х4.,,$+-=, \times$
Q. 5 एक महिला की ओर इशारा करते हुए रोहन ने कहा- "उसकी पुत्री का पुत्र मेरी पत्नी की पुत्री का भाई है।" वह महिला रोहन से किस प्रकार संबंधित है?

Ans
$\times 1$. बहन
2. सास
$\times 3$. माता
X4. पुत्री
Q. 6 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
5:35:: 9 : ? :: 14 : 224
Ans

1. 99
2. 113
3. 107
4. 87
Q. 7

A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

$\left.\times 3 . \left\lvert\, \begin{array}{cccc}\nabla & 0 & 0 & \nabla \\ 0 & \nabla & \nabla & 0 \\ 0 & \Delta & \Delta & 0 \\ \Delta & 0 & 0 & \Delta\end{array}\right.\right]$

Q. 8 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Knight
2. Kitchen
3. Kinship
4. Kinetic
5. Kind

Ans

1. 5, 4, 3,2, 1
$\times 2.5,3,4,2,1$
$\times 3.5,3,2,4,1$
X4.5,2,3,4,1
Q. 9 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
7:71::13:209::16:?
Ans
$\times 1.291$
$\times 2.317$

- 3.305
$\times 4.309$
Q. 10 In a certain code language, "NOPE" is coded as " 100 ", and "EGG" is coded as " 38 ". How will "LAP" be coded in that language?
Ans
$\times 1.27$
$\times 2.31$
$\times 3.29$
- 4.58
Q. 11 In a certain code language, 'STATE' is written as '38401405' and 'EXILE' is written as 5489245'. How will 'ARENA' be written in that language?
Ans
$\times 1.21810142$

2. 1365281

X 3.21181014
$\times 4.1365141$
Q. 12 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term. BIRTHDAY : HDAYBIRT :: CHILDREN : DRENCHIL :: PROGRESS : ?
Ans
X1.SSERGORP
X 2. RPOGERSS
X 3. GRESSPRO
4. RESSPROG
Q. 13 Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with
commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
All huts are houses.
No villa is a house.
Some buildings are villas.
Conclusions:
I. Some buildings are huts.
II. Some houses are buildings.
III. No hut is a villa.

Ans

1. Only conclusion III follow.
$\times 2$. Only conclusion II follows.
X 3. Both conclusions I and II follow.
X4. Only conclusion I follows.
Q. 14 Which of the following numbers will replace the question mark (?) in the given series? $5,16,28,36,71,90,234,342$, ?
Ans
$\times 1.739$
2. 793
$\times 3.893$
-4.839
Q. 15 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation. $16 * 2 * 4^{*} 8^{*} 10 * 34$
Ans
Х $1 .-,+, \times, \div,=$
ㄱ․ $\div, x,+,-,=$
3. $\div, x,-,+,=$
$\times 4 . \times, \div,-,+,=$
Q. 16 Select the correct mirror image of the given combination when the mirror is placed at XY as shown.
$\left.246 \mathrm{HJK}\right|_{\mathrm{Y}} ^{\mathrm{X}}$
Ans
$x$ 1. $\partial \Delta \operatorname{SXtH}$
X2. 9 t ZXfH
X 3. XfH9 t

Q. 17 Two different positions of the same dice are shown, the six faces of which are numbered from 11 to 16 . Select the number that will be on the face opposite to the one showing ' 15 '.


Ans
$\times 1.13$
$\times 2.12$
$\times 3.14$
ค 4.16
Q. 18 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
$t u_{--} x_{-{ }_{-}} u u_{--} x y_{--\_} v x x_{-}$
Ans
uvxyuvxtuuy
X2.uvxxtvxtuuy

- 3. $u v x y t v x t u u y$

X4.uvxytvxtuuu
Q. 19 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation 104*26*13*7*18*77
@Qmaths
$\times 1 . \times,+, \div,-,=$
2. $\div,+, x,-,=$

Х $3 . \div,-, \times,+,=$
X4. $\times,+,-, \div,=$
Q. 20 In a certain code language, 'THREE' is written as 'UISFF', and 'SEVEN' is written as 'TFWFO'. How will 'EIGHT' be written in that language?
Ans
X 1. JFHIU
2. FJHIU
$\times 3$. FJHUI
X4. JFIHU

Q． 21 Which of the following numbers will replace the question mark（？）in the given series？ 58，117，237，479，965，？
Ans
1． 1939
2． 1930
3． 1929
4． 1940

Q． 22 Select the correct mirror image of the given combination when the mirror is placed at XY as shown．
H2J4K6 $\left.\right|_{\mathrm{Y}} ^{\mathrm{X}}$
Ans
1． $\mathrm{H} S \mathrm{I}+\mathrm{X} \partial$
2． 9 Xtf H
×3．H Zft X 9
4．$\partial \mathrm{J}+\mathrm{IS} \mathrm{H}$

Q． 23 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below．
$\left.3 g y 52 \mathrm{~b}\right|_{\mathrm{N}} ^{\mathrm{M}}$
Ans
x1．bてट人gと
2．dSCү8を
×3．bSटү8を

Q. 24 How many squares are there in the given figure?


Ans
$\times 1.13$
$\times 2.15$
X 3.12
4. 14
Q. 25 Which of the following numbers will replace the question mark (?) in the given series? 12, 32,123,609,?
Ans

1. 3654
< 2.3054

- 3.3045

4. 3647

## Section : Quantitative Aptitude

Q. 1 A train crosses a 400 m -long platform in 50 seconds. It crosses another 600 m -long platform in 60 seconds. What are the length and the speed of the train?
Ans

1. $600 \mathrm{~m} ; 72 \mathrm{~km} / \mathrm{h}$
2. $550 \mathrm{~m} ; 75 \mathrm{~km} / \mathrm{h}$
3. $500 \mathrm{~m} ; 70 \mathrm{~km} / \mathrm{h}$
4. $650 \mathrm{~m} ; 74 \mathrm{~km} / \mathrm{h}$
Q. 2 If $\frac{a}{b}+\frac{b}{a}=-1, a \neq 0, b \neq 0$, then the value of $6\left(a^{3}-b^{3}\right)$ is:

Ans
$\times 1.6$
$\times 2.3$

- 3.0
$\times 4.1$
Q. 3 The curved surface area of a hemisphere is $1232 \mathrm{~cm}^{2}$. Its radius will be: (Take $\pi=22 / 7$ )

Ans
$\times 1.12 \mathrm{~cm}$

- 2.14 cm
$\times 3.16 \mathrm{~cm}$
$\times 4.10 \mathrm{~cm}$
Q. 4 The population of a city increases $5 \%$ annually in compounded manner (yearly compounding). The present population of this city is 93051 . The population of this city 2 years ago was:
Ans

1. 84400
$\times 2.84000$
<3. 88000
2. 88400
Q. 5 Asha and Bhuvan can do a piece of work in 6 days and 9 days, respectively. They work on alternate days, starting with Asha on the first day. In how many days will the work be completed?
Ans
X 1.6 days
3. 7 days
<3.9 days
$\times 4.8$ days
Q. 6 The ratio of measures of the angles of a triangle is given as $3: 4: 8$. What is the measure of the smallest of the three angles?

Ans
$\times 1.33^{\circ}$
$\times 2.39^{\circ}$
$\times 3.30^{\circ}$
4. $36^{\circ}$
Q. 7 The score in Maths of 50 students of a class is given in the following table. Calculate the mean score.

| Interval | Frequencies |
| :--- | :---: |
| $0-10$ | 2 |
| $10-20$ | 11 |
| $20-30$ | 28 |
| $30-40$ | 6 |
| $40-50$ | 3 |

Ans
$\times 1.28 .8$
$\times 2.22 .2$

- 3.24 .4

K4. 26.6
Q. 8 If $\sin x-3 \cos x=\sqrt{3} \cos x$, then the value of $\cot x$ is $\qquad$ .

Ans
x. $3-\sqrt{3}$
×2. $3+\sqrt{3}$
$\times$ 3. $\sqrt{3}$
24. $\frac{3-\sqrt{3}}{6}$
Q. 9 The marked price of a refrigerator is ₹ 60,000 . A shopkeeper offers a flat discount of ₹ 12,000 on full cash payment. Further he offers an extra discount of $5 \%$ on the marked price to his regular customers. How much does a regular customer have to pay for the refrigerator?

Ans

1. ₹45,000
2. ₹ 48,000
3. ₹ 44,000
4. ₹ 47,000
Q. 10 Soham's initial expenditure and savings were in the ratio 5: 1. His income increases by $25 \%$, while his savings increase by $20 \%$. If Soham's current expenditure is ₹ 4,347 , what was his initial income?
Ans
X1. ₹ 4,130
5. ₹ 4,140
< 3 . ₹4,150
6. ₹4,160
Q. 11 A $25 \%$ profit is made when a discount of $25 \%$ is given on the marked price of an item When the discount is $35 \%$, what will be the profit? (Give your answer correct to the nearest whole number.)
Ans
X 1.13\%
7. $8 \%$
< 3.9\%
-4.11\%
Q. 12 What is the remainder when 8127 is divided by 8 ?

Ans
1.7
$\times 2.5$
$\times 3.4$
$\times 4.6$
Q. 13 What is the surface area of a cylinder with base radius 2 cm and height 6 cm ? (Use $\pi=3.14$ )
Ans
$\times 1.73 \mathrm{~cm}^{2}$
$\times 2.88 .24 \mathrm{~cm}^{2}$
$\times 3.81 \mathrm{~cm}^{2}$

- $4.75 .36 \mathrm{~cm}^{2}$
Q. 14

The table below provides information about the number of registered voters and the percentage of registered voters who voted in a particular election in three different centers, P, Q, and R.

| Centre | Total No. of <br> registered voters | Percentage of people who <br> voted (out of the total no. of <br> registered voters) |
| :---: | :---: | :---: |
| P | 3200 | 90 |
| Q | 1850 | 80 |
| R | 2500 | 66 |

What percentage of the total number of voters registered at center $Q$ cast invalid votes, if the number of votes castes at centre Q was $25 \%$ of all votes cast at the centre?

Ans
X $1.25 \%$
$\times 2.40 \%$
-3. $20 \%$
$\times 4.75 \%$
Q. 15

If $\mathrm{p}^{4}=4354-\frac{1}{\mathrm{p}^{4}}$ then the value of $\mathrm{p}^{3}-\frac{1}{\mathrm{p}^{3}}$ can be:
Ans
1.536
$\times 2.436$
$\times 3.416$
$\times 4.516$
Q. 16 Sunila drove her car at an average speed of $45 \mathrm{~km} / \mathrm{h}$ for the first 75 km of a trip, and
then at an average speed of $70 \mathrm{~km} / \mathrm{h}$ for the remaining 45 km of the trip. If she made no stops during the trip, what was Sunila's average speed (in $\mathrm{km} / \mathrm{h}$ ) for the entire trip?
Ans

1. 52

X2. $51 \frac{3}{7}$
X3. 51

- $4.51 \frac{93}{97}$
Q. $178+[16-\{7+4-(9$ of $3+6-4 \times 7)\}]=$ ?

Ans $\times 1.21$
$\times 2.16$

- 3.18
$\times 4.23$
Q. 18 If $a: b=2: 3$ and $b: c=6: 8$, then find $a: b: c$.

Ans $\times 1.2: 3: 5$
2. 2:3:4
(3.1:2:3
$\times 4.2: 3: 6$
Q. 19 In what ratio must a grocer mix two varieties of pulses costing ₹ 15 and ₹ 20 per $\mathbf{~ k g , ~}$ respectively, so as to get a mixture worth ₹18 per kg?
Ans
X1.3:2
<2.3:4
3. $2: 3$
4. $2: 5$
Q. 20 The average of the first 43 natural numbers is:

Ans $\times 1.33$
$\times 2.44$
$\times 3.43$

- 4.22
Q. 21 If $x+y=14$, then the value of $x^{3}+y^{3}+42 x y$ is:

Ans 1.2744
$\times 2.2644$
$\times 3.2742$
$\times 4.2714$
Q. 22 If the length and the breadth of a rectangle are increased by $15 \%$ and $\mathbf{2 0 \%}$, respectively, then by how much percent the area of the rectangle will increase?
Ans

- $1.32 \%$

2. $38 \%$
3. $36 \%$
4. $48 \%$
Q. 23 If it is known that 35 students mentioned momos as their preferred food, on the basis of the information provided in the following pie chart, calculate the number of students who mentioned either rolls or Alu Parathas as their preferred food.

## Pie chart giving fractions of students

 preferring different types of food

Ans
$\times 1.116$
$\times 2.108$

- 3.112
$\times 4.120$
Q. 24 The sum of the length, breadth and depth of a cuboid is 23 cm , and its diagonal is $5 \sqrt{7} \mathrm{~cm}$. Its surface area is:

Ans
$\times 1.144 \mathrm{~cm}^{2}$
V $2.177 \mathrm{~cm}^{2}$
$\times 3.188 \mathrm{~cm}^{2}$
$\times 4.111 \mathrm{~cm}^{2}$
Q. 25 A pen was sold for ₹ 28.75 at a profit of $15 \%$. If it was sold for $₹ 25.75$, then what would have been the percentage of profit?
Ans
X1.2\%
2. $3 \%$
$\times 3.4 \%$
$\times 4.1 \%$
Q. 1 In animal cells, which membrane-bound cell organelles are generally smaller and help to separate waste products?
Ans
X 1. Plastids
X 2. Cytosols
$\times$ 3. Golgi apparatus
4. Vacuoles
Q. 2 The Men's Hockey World Cup 2023 will be organised by which of the following states?

Ans $\times 1$. Uttar Pradesh
2. Odisha
3. Punjab
4. Maharashtra
Q. 3 Agumbe, a biodiversity-rich region that receives 7640 mm of average annual rainfall in South India, is located in which state?
Ans

1. Andhra Pradesh
2. Karnataka

X 3. Tamil Nadu
X 4. Kerala
Q. 4 What resource is found in sedimentary rocks on the western and eastern flanks of the peninsula in Gujarat?
Ans

1. Gold
$\times 2$. Bauxite
X 3. Manganese
2. Petroleum
Q. 5 'Sense and Sensibility', 'Mansfield Park' and 'Emma' are written by whom among the following authors?
Ans
3. Jane Austen
4. Thomas Hardy

X 3. George Eliot
< 4. D H Lawrence
Q. 6 The $8^{\text {th }}$ T20 Women's Cricket World Cup will be organised by $\qquad$ .

Ans
$\times 1$. India
$\times 2$. England
3. South Africa

X4. Australia
Q. 7 Famous musician Shakoor Khan was associated with which of the following musical instruments?
Ans
$\times 1$. Sitar
$\times 2$. Sarod
3. Sarangi
$\times 4$. Santoor
Q. 8 A candidate seeking election as Vice-President is required to make a security deposit of $\qquad$ _.
Ans

1. ₹25,000

X 2. ₹ 20,000
X 3. ₹ 30,000
4. ₹ 15,000
Q. 9 Which ecologist's research provided revolutionary new insights into how energy and nutrients move through the ecosystems?
Ans
<1. Arthur Tansley
X 2. Ernst Haeckel
X 3. Charles Elton
4. Raymond L Lindeman
Q. 10 Metabolic reactions in our body are carried out by:

Ans

1. proteins

2 2. carbohydrates
3. lipids
4. salts
Q. 11 Famous classical dancer Vidyagauri Adkar is recognised with $\qquad$ Gharana of Indian classical dance form.

Ans
$\times 1$. Alwar
X 2. Gwalior
3. Banaras
4. Jaipur
Q. 12 Identify the component that is unique only to prokaryotes.

Ans
$X$ 1. Nucleus
X 2. Chromosomes
3. Mesosome
4. Nuclear membrane
Q. 13 Tansen, one of the well-known musicians of medieval India, was in the court of which of the following Mughal emperors?
Ans

1. Akbar
2. Aurangzeb

X 3. Babur
4. Humayun
Q. 14 Which journalist's autobiography is titled the 'Devil's Advocate: The untold story'?

Ans
X 1. Vir Sanghvi
X 2. Pranoy Roy
X 3. Vinod Dua
4. Karan Thapar
Q. 15 In January 2022, which Indian state received a loan of $₹ 1,000$ crores for the protection of social services from the World Bank?
Ans
X 1. Maharashtra
$X$ 2. Odisha
3. West Bengal
4. Assam
Q. 16 Ustad Alla Rakha is famous for his contribution to playing which of the following instruments in Indian Music?

Ans
$\times 1$. Veena
X 2. Ghatam
3. Tabla
4. Santoor
Q. 17 Guru Shyama Charan Pati, was conferred the Padma Shri for his contributions to mainly which of the following dance forms?
Ans
X 1. Kathi nacha
X 2. Santali dance
3. Chhau nritya
4. Jhumair
Q. 18 The famous novel 'Pinjar' based on riots during the Indian independence, was written by
Ans

1. Divya Prakash Dubey

X 2. Mohan Rakesh
3. Amrita Pritam

X 4. Manav Kaul
Q. 19 Identify the plant that shows adaptation through leaves that are reduced to spines.

Ans
X 1. Mimosa
$\times 2$. Rose
3. Opuntia
4. Hibiscus
Q. 20 Which of the following Hindustani musical Gharanas is the oldest among all the Khayal Gayaki styles?
Ans
X 1. Agra Gharana
2. Kirana Gharana
3. Atrauli Gharana
4. Gwalior Gharana
Q. 21 Which of the following organisations won the Etienne Glichitch Award in May 2021?

Ans
X 1. Board of Control for Cricket in India
X 2. All India Football Federation
X 3. Badminton Association of India
4. Hockey India
Q. 22 The title of Asthana Narthaki ('Resident Dancer') was bestowed upon by the Tirumala Tirupathi Devasthanam temple to whom among the following prominent dancer?
Ans

1. Maya Rao
2. Yamini Krishnamurthy
3. Sitara Devi

X 4. Uma Sharma
Q. 23 Banks issue KCC to support credit in agriculture. KCC stands for $\qquad$ .
Ans
X 1. Kisan Credit Certificate
X 2. Krishi Credit Card
X 3. Krishi Credit Certificate
4. Kisan Credit Card
Q. 24 Who among the following Indian Cricketers (Female) won Major Dhyan Chand Khel Ratna Award 2021?

Ans
X 1. Deepti Sharma
$\times 2$. Shafali Verma
X 3. Poonam Yadav
4. Mithali Raj
Q. 25 Who among the following is the recipient of Sangeet Natak Akademi for Bharatanatyam?

Ans
X 1. Vijay Shankar
X 2. Anita Ratnam
3. Geeta Chandran

X 4. AB Bala Kondala Rao

## SSC CHSL

## Combined Higher Secondary Level Examination 2021 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $31 / 05 / 2022$ |
| Exam Time | $9: 00$ AM - 10:00 AM |
| Subject | CHSL 2021 Tier I |

## Section : English Language

Q. 1 Parts of the given sentence have been given as options. One of them contains a grammatical error. Select the option that has the error. He continued staring at the elephant, as if he had not see one before.

Ans

1. as if he had not see
2. staring at the elephant
3. one before
4. He continued
Q. 2 Select the most appropriate option that can substitute the underlined segment in the given sentence.
A visit in Ladhak is a must these days.
Ans
$\times 1$ from
5. to
6. for
7. at
Q. 3 Select the most appropriate option that can substitute the underlined segment in the given sentence.
The NCERT was set up ahead by the government to assist and advise the Central and State Governments on policies and programmes for qualitative improvement in school education.

Ans
X 1. was set off
$\times$ 2. was set forward
X 3. was set over
4. was set up
Q. 4 Select the most appropriate option fill in the blank.

I have been studying this course $\qquad$ two years now.
Ans
Х 1. through
< 2 . since

- 3.for

X 4. almost
Q. 5 Select the most appropriate synonym of the given word. Incite

Ans
X 1. Pacify
$\times 2$. Tighten
3. Inflame

X 4. Quote
Q. 6 Select the option that expresses the given sentence in active voice This match is being watched today by more than thirty-three million people worldwide.
Ans
X 1 . This match is watching more than thirty-three million people worldwide today.
X 2. More than thirty-three million people worldwide have been watching this match today.
3. More than thirty-three million people worldwide are watching this match today.

X 4. Today more than thirty-three million people worldwide have watched this match.
Q. 7 Select the most appropriate meaning of the given idiom. Sum and substance
Ans

1. Essence

人 2. Difficulty
$\times 3$. Deliberation
X 4. Assessment
Q. 8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.
A.The current concern is that it is rising day by day due to various resources of pollutants.
B.It has been there in different forms since a long time, even before human evolution, such as volcanic eruptions, wildfire which led to various photochemical reactions in the atmosphere.
C.Pollution has become a very common yet serious issue in today's world.
D.And, one of the main pollutants are humans and man-made machines.

Ans

1. CBAD
$\times 2 . A B C D$
X 3. CDBA
$\times 4$. CADB
Q. 9 Select the most appropriate meaning of the given idiom. Under duress
Ans
2. Under pressure
< 2. Under shelter
X 3. Under confusions
3. Under support
Q. 10 Select the most appropriate meaning of the given idiom.

Apple of one's eye
Ans

1. Very dear
$\chi 2$. Very harmful
2. Very useful
3. Very far
Q. 11 Select the option that can be used as a one-word substitute for the given group of words.
Direct and outspoken
Ans
4. Forthright
5. Fortitude
(3. Formica
6. Fortify
Q. 12 From among the words given in bold, select the INCORRECTLY spelt word in the following sentence.
Now I will not shoot a sloth bear wantanly but unfortunately for the poor beast.
Ans
$\times 1$. unfortunately
X 2. sloth
$\chi$ 3. beast
7. wantanly
Q. 13 Select the most appropriate ANTONYM of the given word. Pretence
Ans
8. Reality

X 2. Impotence
3. Arrogance
4. Intolerance
Q. 14 Select the INCORRECTLY spelt word.

Ans

1. Repitetion
2. Portray
3. Procedure
4. Separate

Question ID : 26433039869
Q. 15 Spot the error in the given sentence and select the correct sentence from the options given.
Is Savita is joining us for lunch today?
Ans

1. Is Savita joining us for lunch today?
$\times 2$. Savita is joined us for lunch today?
$\times 3$. Savita joining us for lunch today?
$\times 4$. Are Savita joining us for lunch today?
Q. 16 Select the most appropriate ANTONYM of the given word.

Precocious
Ans
$\times 1$. Liberal
$\times 2$. Gentle
3. Backward
$\times$ 4. Lenient
Q. 17 Complete the collocation.

I met my professor yesterday and we $\qquad$ a long conversation about books and work.
Ans
$X 1$ did
X 2. spoke
3. had
$\times 4$. talked
Q. 18 Select the most appropriate synonym of the given word. Fleck
Ans

1. Spot
$\times 2$. Neglect
X 3. View
2. Fault
Q. 19 Select the option that expresses the given sentence in passive voice. The finance minister will announce the budget.
Ans
X 1. The budget will have announced by the finance minister.
$\times 2$. The budget were announced by the finance minister.
X 3. The budget are announced by the finance minister.
3. The budget will be announced by the finance minister.
Q. 20 Select the option that can be used as a one-word substitute for the given group of words. Allowing or assisting to discover
Ans
X1. Conceptual
$X$ 2. Ineducative
< 3. Unempirical
4. Heuristic

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans

1. reflects
2. thinks
3. groups
4. efforts

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans

1. bias
$\times 2$. advanced
X 3. neutral
X4. law

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans
$\times 1$. Regardless
$\times 2$. Against
X 3. Instead
4. Besides

## Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning, co-ordination and monitoring by high-powered bodies right down to the village level.

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

Ans
X 1. advisory
2 2. explanatory
X 3. contradictory

- 4. contributory


## Comprehension

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
The most urgent areas of attention and immediate action are nutrition, health and education of children, whose well-being (1) $\qquad$ the health of the society and caring outlook of the polity. Since the causes of malnutrition of children are many, like exploding population, (2) $\qquad$ against the female child, weak and suffering mothers, the remedy calls for 'care of the mother and care by mother',(3) $\qquad$ , an effective control over population explosion. Ignorance on what food should be taken is another (4) $\qquad$ factor that results in malnutrition among women and children. The implementation of various schemes to fight the (5) $\qquad$ of malnutrition and undernourishment of children requires planning,
co-ordination and monitoring by high-powered bodies right down to the village level.
SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans

1. menace
2. solace
3. balance
4. embrace

## Section : General Intelligence

Q. 1 Which of the following numbers will replace the question mark (?) in the given series?

176, 218, 228, 291, 280, 364, 332, ?
Ans
$\times 1.435$
$\times 2.416$
ح 3.437
$\times 4.384$
Q. 2 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) is/are followed in all the number-pairs, except one. Find that odd number-pair.
Ans
$\times 1.48: 7$
2. $25: 8$
$\times 3.15: 4$
$\times 4.8: 3$
Q. 3 Which letter cluster will replace the question mark(?) to complete the given series? EMXB, ?, YGRV, VDOS, SALP

Ans
Х1.BYJU
$X$ 2. JBUY
$X 3$. YUBJ
4. BJUY
Q. 4 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation. 24*6*51*31*3
Ans
X1. $=,-, \times,+$
2. $x,-,=, x$

X $3 .-, \div,=,+$
Х4.,,$+-=, \times$
Q. 5 एक महिला की ओर इशारा करते हुए रोहन ने कहा- "उसकी पुत्री का पुत्र मेरी पत्नी की पुत्री का भाई है।" वह महिला रोहन से किस प्रकार संबंधित है?

Ans
$\times 1$. बहन
2. सास
$\times 3$. माता
X4. पुत्री
Q. 6 Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.
5:35:: 9 : ? :: 14 : 224
Ans

1. 99
2. 113
3. 107
4. 87
Q. 7

A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

$\left.\times 3 . \left\lvert\, \begin{array}{cccc}\nabla & 0 & 0 & \nabla \\ 0 & \nabla & \nabla & 0 \\ 0 & \Delta & \Delta & 0 \\ \Delta & 0 & 0 & \Delta\end{array}\right.\right]$

Q. 8 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Knight
2. Kitchen
3. Kinship
4. Kinetic
5. Kind

Ans

1. 5, 4, 3,2, 1
$\times 2.5,3,4,2,1$
$\times 3.5,3,2,4,1$
X4.5,2,3,4,1
Q. 9 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
7:71::13:209::16:?
Ans
$\times 1.291$
$\times 2.317$

- 3.305
$\times 4.309$
Q. 10 In a certain code language, "NOPE" is coded as " 100 ", and "EGG" is coded as " 38 ". How will "LAP" be coded in that language?
Ans
$\times 1.27$
$\times 2.31$
$\times 3.29$
- 4.58
Q. 11 In a certain code language, 'STATE' is written as '38401405' and 'EXILE' is written as 5489245'. How will 'ARENA' be written in that language?
Ans
$\times 1.21810142$

2. 1365281

X 3.21181014
$\times 4.1365141$
Q. 12 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term. BIRTHDAY : HDAYBIRT :: CHILDREN : DRENCHIL :: PROGRESS : ?
Ans
X1.SSERGORP
X 2. RPOGERSS
X 3. GRESSPRO
4. RESSPROG
Q. 13 Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with
commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
All huts are houses.
No villa is a house.
Some buildings are villas.
Conclusions:
I. Some buildings are huts.
II. Some houses are buildings.
III. No hut is a villa.

Ans

1. Only conclusion III follow.
$\times 2$. Only conclusion II follows.
X 3. Both conclusions I and II follow.
X4. Only conclusion I follows.
Q. 14 Which of the following numbers will replace the question mark (?) in the given series? $5,16,28,36,71,90,234,342$, ?
Ans
$\times 1.739$
2. 793
$\times 3.893$
-4.839
Q. 15 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation. $16 * 2 * 4^{*} 8^{*} 10 * 34$
Ans
Х $1 .-,+, \times, \div,=$
ㄱ․ $\div, x,+,-,=$
3. $\div, x,-,+,=$
$\times 4 . \times, \div,-,+,=$
Q. 16 Select the correct mirror image of the given combination when the mirror is placed at XY as shown.
$\left.246 \mathrm{HJK}\right|_{\mathrm{Y}} ^{\mathrm{X}}$
Ans
$x$ 1. $\partial \Delta \operatorname{SXtH}$
X2. 9 t ZXfH
X 3. XfH9 t

Q. 17 Two different positions of the same dice are shown, the six faces of which are numbered from 11 to 16 . Select the number that will be on the face opposite to the one showing ' 15 '.


Ans
$\times 1.13$
$\times 2.12$
$\times 3.14$
ค 4.16
Q. 18 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
$t u_{--} x_{-{ }_{-}} u u_{--} x y_{--\_} v x x_{-}$
Ans
uvxyuvxtuuy
X2.uvxxtvxtuuy

- 3. $u v x y t v x t u u y$

X4.uvxytvxtuuu
Q. 19 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation 104*26*13*7*18*77
@Qmaths
$\times 1 . \times,+, \div,-,=$
2. $\div,+, x,-,=$

Х $3 . \div,-, \times,+,=$
X4. $\times,+,-, \div,=$
Q. 20 In a certain code language, 'THREE' is written as 'UISFF', and 'SEVEN' is written as 'TFWFO'. How will 'EIGHT' be written in that language?
Ans
X 1. JFHIU
2. FJHIU
$\times 3$. FJHUI
X4. JFIHU

Q． 21 Which of the following numbers will replace the question mark（？）in the given series？ 58，117，237，479，965，？
Ans
1． 1939
2． 1930
3． 1929
4． 1940

Q． 22 Select the correct mirror image of the given combination when the mirror is placed at XY as shown．
H2J4K6 $\left.\right|_{\mathrm{Y}} ^{\mathrm{X}}$
Ans
1． $\mathrm{H} S \mathrm{I}+\mathrm{X} \partial$
2． 9 Xtf H
×3．H Zft X 9
4．$\partial \mathrm{J}+\mathrm{IS} \mathrm{H}$

Q． 23 Select the correct mirror image of the given combination when the mirror is placed at MN as shown below．
$\left.3 g y 52 \mathrm{~b}\right|_{\mathrm{N}} ^{\mathrm{M}}$
Ans
x1．bてट人gと
2．dSCү8を
×3．bSटү8を

Q. 24 How many squares are there in the given figure?


Ans
$\times 1.13$
$\times 2.15$
X 3.12
4. 14
Q. 25 Which of the following numbers will replace the question mark (?) in the given series? 12, 32,123,609,?
Ans

1. 3654
< 2.3054

- 3.3045

4. 3647

## Section : Quantitative Aptitude

Q. 1 A train crosses a 400 m -long platform in 50 seconds. It crosses another 600 m -long platform in 60 seconds. What are the length and the speed of the train?
Ans

1. $600 \mathrm{~m} ; 72 \mathrm{~km} / \mathrm{h}$
2. $550 \mathrm{~m} ; 75 \mathrm{~km} / \mathrm{h}$
3. $500 \mathrm{~m} ; 70 \mathrm{~km} / \mathrm{h}$
4. $650 \mathrm{~m} ; 74 \mathrm{~km} / \mathrm{h}$
Q. 2 If $\frac{a}{b}+\frac{b}{a}=-1, a \neq 0, b \neq 0$, then the value of $6\left(a^{3}-b^{3}\right)$ is:

Ans
$\times 1.6$
$\times 2.3$

- 3.0
$\times 4.1$
Q. 3 The curved surface area of a hemisphere is $1232 \mathrm{~cm}^{2}$. Its radius will be: (Take $\pi=22 / 7$ )

Ans
$\times 1.12 \mathrm{~cm}$

- 2.14 cm
$\times 3.16 \mathrm{~cm}$
$\times 4.10 \mathrm{~cm}$
Q. 4 The population of a city increases $5 \%$ annually in compounded manner (yearly compounding). The present population of this city is 93051 . The population of this city 2 years ago was:
Ans

1. 84400
$\times 2.84000$
<3. 88000
2. 88400
Q. 5 Asha and Bhuvan can do a piece of work in 6 days and 9 days, respectively. They work on alternate days, starting with Asha on the first day. In how many days will the work be completed?
Ans
X 1.6 days
3. 7 days
<3.9 days
$\times 4.8$ days
Q. 6 The ratio of measures of the angles of a triangle is given as $3: 4: 8$. What is the measure of the smallest of the three angles?

Ans
$\times 1.33^{\circ}$
$\times 2.39^{\circ}$
$\times 3.30^{\circ}$
4. $36^{\circ}$
Q. 7 The score in Maths of 50 students of a class is given in the following table. Calculate the mean score.

| Interval | Frequencies |
| :--- | :---: |
| $0-10$ | 2 |
| $10-20$ | 11 |
| $20-30$ | 28 |
| $30-40$ | 6 |
| $40-50$ | 3 |

Ans
$\times 1.28 .8$
$\times 2.22 .2$

- 3.24 .4

K4. 26.6
Q. 8 If $\sin x-3 \cos x=\sqrt{3} \cos x$, then the value of $\cot x$ is $\qquad$ .

Ans
x. $3-\sqrt{3}$
×2. $3+\sqrt{3}$
$\times$ 3. $\sqrt{3}$
24. $\frac{3-\sqrt{3}}{6}$
Q. 9 The marked price of a refrigerator is ₹ 60,000 . A shopkeeper offers a flat discount of ₹ 12,000 on full cash payment. Further he offers an extra discount of $5 \%$ on the marked price to his regular customers. How much does a regular customer have to pay for the refrigerator?

Ans

1. ₹45,000
2. ₹ 48,000
3. ₹ 44,000
4. ₹ 47,000
Q. 10 Soham's initial expenditure and savings were in the ratio 5: 1. His income increases by $25 \%$, while his savings increase by $20 \%$. If Soham's current expenditure is ₹ 4,347 , what was his initial income?
Ans
X1. ₹ 4,130
5. ₹ 4,140
< 3 . ₹4,150
6. ₹4,160
Q. 11 A $25 \%$ profit is made when a discount of $25 \%$ is given on the marked price of an item When the discount is $35 \%$, what will be the profit? (Give your answer correct to the nearest whole number.)
Ans
X 1.13\%
7. $8 \%$
< 3.9\%
-4.11\%
Q. 12 What is the remainder when 8127 is divided by 8 ?

Ans
1.7
$\times 2.5$
$\times 3.4$
$\times 4.6$
Q. 13 What is the surface area of a cylinder with base radius 2 cm and height 6 cm ? (Use $\pi=3.14$ )
Ans
$\times 1.73 \mathrm{~cm}^{2}$
$\times 2.88 .24 \mathrm{~cm}^{2}$
$\times 3.81 \mathrm{~cm}^{2}$

- $4.75 .36 \mathrm{~cm}^{2}$
Q. 14

The table below provides information about the number of registered voters and the percentage of registered voters who voted in a particular election in three different centers, P, Q, and R.

| Centre | Total No. of <br> registered voters | Percentage of people who <br> voted (out of the total no. of <br> registered voters) |
| :---: | :---: | :---: |
| P | 3200 | 90 |
| Q | 1850 | 80 |
| R | 2500 | 66 |

What percentage of the total number of voters registered at center $Q$ cast invalid votes, if the number of votes castes at centre Q was $25 \%$ of all votes cast at the centre?

Ans
X $1.25 \%$
$\times 2.40 \%$
-3. $20 \%$
$\times 4.75 \%$
Q. 15

If $\mathrm{p}^{4}=4354-\frac{1}{\mathrm{p}^{4}}$ then the value of $\mathrm{p}^{3}-\frac{1}{\mathrm{p}^{3}}$ can be:
Ans
1.536
$\times 2.436$
$\times 3.416$
$\times 4.516$
Q. 16 Sunila drove her car at an average speed of $45 \mathrm{~km} / \mathrm{h}$ for the first 75 km of a trip, and
then at an average speed of $70 \mathrm{~km} / \mathrm{h}$ for the remaining 45 km of the trip. If she made no stops during the trip, what was Sunila's average speed (in $\mathrm{km} / \mathrm{h}$ ) for the entire trip?
Ans

1. 52

X2. $51 \frac{3}{7}$
X3. 51

- $4.51 \frac{93}{97}$
Q. $178+[16-\{7+4-(9$ of $3+6-4 \times 7)\}]=$ ?

Ans $\times 1.21$
$\times 2.16$

- 3.18
$\times 4.23$
Q. 18 If $a: b=2: 3$ and $b: c=6: 8$, then find $a: b: c$.

Ans $\times 1.2: 3: 5$
2. 2:3:4
(3.1:2:3
$\times 4.2: 3: 6$
Q. 19 In what ratio must a grocer mix two varieties of pulses costing ₹ 15 and ₹ 20 per $\mathbf{~ k g , ~}$ respectively, so as to get a mixture worth ₹18 per kg?
Ans
X1.3:2
<2.3:4
3. $2: 3$
4. $2: 5$
Q. 20 The average of the first 43 natural numbers is:

Ans $\times 1.33$
$\times 2.44$
$\times 3.43$

- 4.22
Q. 21 If $x+y=14$, then the value of $x^{3}+y^{3}+42 x y$ is:

Ans 1.2744
$\times 2.2644$
$\times 3.2742$
$\times 4.2714$
Q. 22 If the length and the breadth of a rectangle are increased by $15 \%$ and $\mathbf{2 0 \%}$, respectively, then by how much percent the area of the rectangle will increase?
Ans

- $1.32 \%$

2. $38 \%$
3. $36 \%$
4. $48 \%$
Q. 23 If it is known that 35 students mentioned momos as their preferred food, on the basis of the information provided in the following pie chart, calculate the number of students who mentioned either rolls or Alu Parathas as their preferred food.

## Pie chart giving fractions of students

 preferring different types of food

Ans
$\times 1.116$
$\times 2.108$

- 3.112
$\times 4.120$
Q. 24 The sum of the length, breadth and depth of a cuboid is 23 cm , and its diagonal is $5 \sqrt{7} \mathrm{~cm}$. Its surface area is:

Ans
$\times 1.144 \mathrm{~cm}^{2}$
V $2.177 \mathrm{~cm}^{2}$
$\times 3.188 \mathrm{~cm}^{2}$
$\times 4.111 \mathrm{~cm}^{2}$
Q. 25 A pen was sold for ₹ 28.75 at a profit of $15 \%$. If it was sold for $₹ 25.75$, then what would have been the percentage of profit?
Ans
X1.2\%
2. $3 \%$
$\times 3.4 \%$
$\times 4.1 \%$
Q. 1 In animal cells, which membrane-bound cell organelles are generally smaller and help to separate waste products?
Ans
X 1. Plastids
X 2. Cytosols
$\times$ 3. Golgi apparatus
4. Vacuoles
Q. 2 The Men's Hockey World Cup 2023 will be organised by which of the following states?

Ans $\times 1$. Uttar Pradesh
2. Odisha
3. Punjab
4. Maharashtra
Q. 3 Agumbe, a biodiversity-rich region that receives 7640 mm of average annual rainfall in South India, is located in which state?
Ans

1. Andhra Pradesh
2. Karnataka

X 3. Tamil Nadu
X 4. Kerala
Q. 4 What resource is found in sedimentary rocks on the western and eastern flanks of the peninsula in Gujarat?
Ans

1. Gold
$\times 2$. Bauxite
X 3. Manganese
2. Petroleum
Q. 5 'Sense and Sensibility', 'Mansfield Park' and 'Emma' are written by whom among the following authors?
Ans
3. Jane Austen
4. Thomas Hardy

X 3. George Eliot
< 4. D H Lawrence
Q. 6 The $8^{\text {th }}$ T20 Women's Cricket World Cup will be organised by $\qquad$ .

Ans
$\times 1$. India
$\times 2$. England
3. South Africa

X4. Australia
Q. 7 Famous musician Shakoor Khan was associated with which of the following musical instruments?
Ans
$\times 1$. Sitar
$\times 2$. Sarod
3. Sarangi
$\times 4$. Santoor
Q. 8 A candidate seeking election as Vice-President is required to make a security deposit of $\qquad$ _.
Ans

1. ₹25,000

X 2. ₹ 20,000
X 3. ₹ 30,000
4. ₹ 15,000
Q. 9 Which ecologist's research provided revolutionary new insights into how energy and nutrients move through the ecosystems?
Ans
<1. Arthur Tansley
X 2. Ernst Haeckel
X 3. Charles Elton
4. Raymond L Lindeman
Q. 10 Metabolic reactions in our body are carried out by:

Ans

1. proteins

2 2. carbohydrates
3. lipids
4. salts
Q. 11 Famous classical dancer Vidyagauri Adkar is recognised with $\qquad$ Gharana of Indian classical dance form.

Ans
$\times 1$. Alwar
X 2. Gwalior
3. Banaras
4. Jaipur
Q. 12 Identify the component that is unique only to prokaryotes.

Ans
$X$ 1. Nucleus
X 2. Chromosomes
3. Mesosome
4. Nuclear membrane
Q. 13 Tansen, one of the well-known musicians of medieval India, was in the court of which of the following Mughal emperors?
Ans

1. Akbar
2. Aurangzeb

X 3. Babur
4. Humayun
Q. 14 Which journalist's autobiography is titled the 'Devil's Advocate: The untold story'?

Ans
X 1. Vir Sanghvi
X 2. Pranoy Roy
X 3. Vinod Dua
4. Karan Thapar
Q. 15 In January 2022, which Indian state received a loan of $₹ 1,000$ crores for the protection of social services from the World Bank?
Ans
X 1. Maharashtra
$X$ 2. Odisha
3. West Bengal
4. Assam
Q. 16 Ustad Alla Rakha is famous for his contribution to playing which of the following instruments in Indian Music?

Ans
$\times 1$. Veena
X 2. Ghatam
3. Tabla
4. Santoor
Q. 17 Guru Shyama Charan Pati, was conferred the Padma Shri for his contributions to mainly which of the following dance forms?
Ans
X 1. Kathi nacha
X 2. Santali dance
3. Chhau nritya
4. Jhumair
Q. 18 The famous novel 'Pinjar' based on riots during the Indian independence, was written by
Ans

1. Divya Prakash Dubey

X 2. Mohan Rakesh
3. Amrita Pritam

X 4. Manav Kaul
Q. 19 Identify the plant that shows adaptation through leaves that are reduced to spines.

Ans
X 1. Mimosa
$\times 2$. Rose
3. Opuntia
4. Hibiscus
Q. 20 Which of the following Hindustani musical Gharanas is the oldest among all the Khayal Gayaki styles?
Ans
X 1. Agra Gharana
2. Kirana Gharana
3. Atrauli Gharana
4. Gwalior Gharana
Q. 21 Which of the following organisations won the Etienne Glichitch Award in May 2021?

Ans
X 1. Board of Control for Cricket in India
X 2. All India Football Federation
X 3. Badminton Association of India
4. Hockey India
Q. 22 The title of Asthana Narthaki ('Resident Dancer') was bestowed upon by the Tirumala Tirupathi Devasthanam temple to whom among the following prominent dancer?
Ans

1. Maya Rao
2. Yamini Krishnamurthy
3. Sitara Devi

X 4. Uma Sharma
Q. 23 Banks issue KCC to support credit in agriculture. KCC stands for $\qquad$ .
Ans
X 1. Kisan Credit Certificate
X 2. Krishi Credit Card
X 3. Krishi Credit Certificate
4. Kisan Credit Card
Q. 24 Who among the following Indian Cricketers (Female) won Major Dhyan Chand Khel Ratna Award 2021?

Ans
X 1. Deepti Sharma
$\times 2$. Shafali Verma
X 3. Poonam Yadav
4. Mithali Raj
Q. 25 Who among the following is the recipient of Sangeet Natak Akademi for Bharatanatyam?

Ans
X 1. Vijay Shankar
X 2. Anita Ratnam
3. Geeta Chandran

X 4. AB Bala Kondala Rao

