## SExampapers247

## SSC CHSL

## Combined Higher Secondary Level Examination 2021 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $30 / 05 / 2022$ |
| Exam Time | $9: 00$ AM - 10:00 AM |
| Subject | CHSL 2021 Tier I |

## Section : English Language

Q. 1 Select the option that expresses the given sentence in active voice. The car was being washed by me.
Ans
$\times 1$. I had been washing the car.
2. I was washing the car.
$\times 3$. I did the washing car.
$\times 4$. I washed the car.
Q. 2 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Whenever he is / on a holiday, / he travels by foot / to the temple nearby.
Ans

1. to the temple nearby
$\times 2$. Whenever he is
2. he travels by foot

X4. on a holiday

## Q. 3 Select the most appropriate meaning of the given idiom.

Lion's share
Ans

1. Largest share
2. Animal's share
3. Limited share
4. Forceful share
Q. 4 Select the most appropriate option to fill in the blank. If you had consulted me, I would have $\qquad$ you.

Ans
X 1. advising
X 2. advises
3. advised
4. advise
Q. 5 Select the option that expresses the given sentence in active voice. All the electric poles in the suburbs were destroyed by the cyclone last year.
Ans

1. The cyclone destroyed all the electric poles in the suburbs last year.
2. The cyclone was being destroyed with all the electric poles in the suburbs last year.

X 3. The cyclone was destroyed by the all the electric poles in the suburbs last year.
X4. The cyclone destroyed all the suburbs by the electric poles last year.
Q. 6 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 deeper you immerse it, the greater will be the difference in the water level.
B. This difference in the levels in the U-tube is a measure of the pressure applied by your palm.
C. If you immerse the funnel into a bucket of water, you will again see the difference in the water level in the U-tube.
D. When you gently apply pressure on the rubber film with your palm, you will find that a difference in the water level is created in the manometer.
Ans
$\times 1$. BACD
X 2. CBAD
3. DBCA
4. $A B C D$
Q. 7 Select the most appropriate spelling that can substitute the underlined word in the given sentence.

We love to play with our neighboar's children
Ans
$X 1$. neighbours
X 2. naighbour's
$\times 3$. neighboars
4. neighbour's
Q. 8 Select the most appropriate ANTONYM of the word in bold in the following sentence. Her candid remarks impressed the Board of members.
Ans
$X 1$. blunt
$\times 2$. sincere
3. deceitful
4. unconventional
Q. 9 Select the most appropriate synonym of the given word. Decipher
Ans

1. Interpret
2. Calculate
3. Create
4. Interrogate
Q. 10 Select the option that expresses the given sentence in active voice. The utensils have been cleaned.
Ans
$X 1$. Someone is cleaning the utensils.
$\times 2$. Someone was cleaning the utensils.
$\times$ 3. Someone cleaned the utensils.4. Someone has cleaned the utensils.
Q. 11 Select the most appropriate option to fill in the blank. A note of $\qquad$ during the leaders' meeting at the UN.
Ans
X 1. friction surfaced
5. discord surfaced
6. grievance surfaced
7. strife surfaced
Q. 12 Select the most appropriate synonym of the given word.

## Startle

Ans
<1. Scare
$\times 2$. Humiliate
3. Surprise
4. Shame
Q. 13 Select the most appropriate meaning of the given idiom. Get the axe

Ans
Х 1. Burdened job
2. Lose the job

X 3. Relaxed job
Х 4. Get the job
Q. 14 Select the most appropriate meaning of the given idiom. Wipe the floor with someone

Ans

1. To defeat someone
2. To criticise someone
$\times$ 3. To cheat someone
$X$
3. To help someone
Q. 15 Select the option that can be used as a one-word substitute for the given group of words.
Reject as invalid, especially by legal procedure
Ans
X 1. Reiterate
$\times 2$ 2. Putrid
$\times 3$. Putrefy
4. Quash
Q. 16 Select the most appropriate option fill in the blank.

The death of her father had made her sullen and $\qquad$ .
Ans
$\times 1$. jovial
$\times 2$. smug
$\times$ 3. joyful
4. melancholic
Q. 17 Select the INCORRECTLY spelt word.

Ans

- 1. Supercede

X 2. Indefatigable
X 3. Autopsy
$\times 4$. Anonymous
Q. 18 Select the most appropriate ANTONYM of the given word. Vulgar
Ans
$\times 1$. Senior
$\times 2$. Decreased
×3. Ignorant
4. Refined
Q. 19 Select the option that can be used as a one-word substitute for the given group of words.
Merry, convivial, hearty and good humoured
Ans
X1. Jowl
X 2. Joyous
3. Jovial
$\times$ 4. Jubilee
Q. 20 Select the most appropriate synonym of the given word. Overture
Ans
X 1. Slander
X 2. Conclusion
3. Preamble
4. Plunk

## Comprehension:

## @Qmaths

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
Most of the valley had been (1) $\qquad$ over the ages by the river waters, (2) $\qquad$
rainfall, and fierce winds. All except for one giant monolith, a (3) $\qquad$ tower-like
mountain of a single rock. It stood at a proud (4) $\qquad$ of eight hundred and fifty metres from the valley floor, towering well above the (5) $\qquad$ shoulders.

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

Ans
$\times 1$. dried
2. decoded

- 3. eroded

4. wiped

## 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.
Most of the valley had been (1) $\qquad$ over the ages by the river waters, (2) $\qquad$
rainfall, and fierce winds. All except for one giant monolith, a (3) $\qquad$ tower-like
mountain of a single rock. It stood at a proud (4) $\qquad$ of eight hundred and fifty metres from the valley floor, towering well above the (5) $\qquad$ shoulders.

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

Ans
Х 1. empty
2. heavy
$\times 3$. less
4. scanty

## 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.
Most of the valley had been (1) $\qquad$ over the ages by the river waters, (2) $\qquad$
rainfall, and fierce winds. All except for one giant monolith, a (3) $\qquad$ tower-like mountain of a single rock. It stood at a proud (4) $\qquad$ of eight hundred and fifty metres
from the valley floor, towering well above the (5) $\qquad$ shoulders.

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

Ans

1. humongous
2. small
3. neat
4. tiny

## 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.
Most of the valley had been (1) $\qquad$ over the ages by the river waters, (2) $\qquad$
rainfall, and fierce winds. All except for one giant monolith, a (3) $\qquad$ tower-like mountain of a single rock. It stood at a proud (4) $\qquad$ of eight hundred and fifty metres
from the valley floor, towering well above the (5) $\qquad$ shoulders.

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

Ans

1. weight
2. height
$\times$ 3. length
$\times 4$. width

## 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.
Most of the valley had been (1) $\qquad$ over the ages by the river waters, (2)
rainfall, and fierce winds. All except for one giant monolith, a (3) $\qquad$ tower-like mountain of a single rock. It stood at a proud (4) $\qquad$ of eight hundred and fifty metres
from the valley floor, towering well above the (5) $\qquad$ shoulders.

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

Ans
$\times 1$. shelf's
$\times 2$. mountain
X 3. valley
4. valley's

[^0]Q. 1 Select the option that represents the letters that, when placed from left to right in the blanks below, will complete the letter series.
BE_KDF_HKDJEH_D_EHKD
Ans
X1.JPKB
2. HEKN
3. HBP J
4.ILPK
Q. 2 Which of the following numbers will replace the question mark (?) in the given series? 3, 3,12,108,?
Ans
$\times 1.1528$
2. 1512
3. 1728
4. 1684
Q. 3 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.
g79ywr|
Ans
, 1. y w y erg
×2. 1M 人 $6 \angle 8$
x3.rw Y 6 「g
x4. y w yerg
Q. 4 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
13 * 5 * 60 * 6 * 11 * 64
Ans
$\times 1 . \times,+,-, \div,=$
2. $\times,+, \div,-=$

Х3.,,$+- \times, \div,=$
$\times 4 .-,+, \times, \div,=$
Q. 5 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation. $25^{*} 5^{*} 8^{*} 4^{*} 15^{*} 20$
Ans
1.,$+ \times, \div,-,=$
$\times 2 . \div,-, \times,+,=$
ㄱ3.,$+ \times,-, \div,=$
$\times 4 .-, \div,+, \times,=$
Q. 6 Which of the following numbers will replace the question mark (?) in the given series? 19, 114, 119, ?, 479, 958

Ans
$\times 1.378$
$\times 2.452$
$\times 3.296$

- 4.476
Q. 7 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 cranes are bears.
Some tigers are cranes.
All jackals are tigers.
Conclusion:
I. Some bears are tigers.
II. All jackals are bears.
III. Some jackals are bears.

Ans
X 1. Only conclusions I and III follow
2. Only conclusion I follows

X 3. Only conclusion II follows
X 4. Only conclusions I and II follow
Q. 8 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth
number.
3 : 18 :: 9 : ? :: 5 : 100
Ans
$\times 1.500$
$\times 2.236$

- 3.648
$\times 4.435$
Q. 9 In a certain code language, 'CHOICE' is written as 'OHCECI' and 'DEMAND' is written as 'MEDDNA'. How will 'EXPECT' be written in that language?
Ans
$\times 1$. PXEECT
X 2. TCEPXE

3. PXETCE
$\times 4$. TCEEXP
Q. 10 Select the set in which the numbers are related in the same way as are the numbers of the following set.
(90, 15, 21)
$(16,2,10)$
(NOTE : Operations should be performed on the whole numbers, without breaking
down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as
adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
Ans
X $1 .(80,20,16)$
$\times 2 .(80,6,15)$
4. $(46,23,25)$
$\times 4 .(60,10,6)$
Q. 11 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
ACF, DFI, GIL, JLO, ?
Ans
X 1. NOM
$\times 2$ MON
5. MOR
$\times 4$. ROM
Q. 12 Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word)
Castle : Building :: Sedan : ?
Ans
6. Car

X 2. Bike
X 3. Motor
4. Truck

Q． 13 Two different positions of the same dice are shown，the six faces of which are marked as $€, K, T, \notin, ₹$, ． $\mathbb{C}$ ．Select the symbol that will be on the face opposite to the one showing＇$m$＇．


Ans
X1．z
2．
X 3．K
X4．€

Q． 14 In a certain code language，＇SIGNAL＇is coded as＇H18T13Z15＇，and＇TARGET＇is coded as＇G26I20V7＇．How will＇VOLUME＇be coded in that language？
Ans
X1．E12P6022
2．E12O6N22
＜3．F12P6P24
4．F12O7N23

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


Ans

## टӘ「甲fр

$x^{2}$ c $9 \angle 1 子 b$
× ट 己 $\angle 17 p$
4．टว「甲ךb

Q． 16 In a certain code language，＇COMMON＇is written as＇EQOOQP＇and＇PREP＇is written as ＇RTGR＇．How will＇MAGNET＇be written in that language？
Ans
X 1．OAIVGV
X 2．OBIPGW
3．MCIPGU
4．OCIPGV
Q. 17 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation.
2 * 7 * 3 * 21 * 2 * 23
Ans $\times 1 . \times,-,+,=, \times$
2. $\times, \times,-,+$,
3. $\times, \times,=,+,-$
4. +, +, +, = , +
Q. 18 Select the set in which the numbers are related in the same way as are the numbers of the following set.
$(56,12,672)$
Ans
X1. $(17,13,426)$
ㅈ․ $(15,18,478)$
2. $(14,21,294)$
4. $(16,16,326)$
Q. 19 If I denotes ' $\because$ ', J denotes ' $x$ ', K denotes ' - ' and $L$ denotes ' + ', then what will come in place of '?' in the following equation? 118 L (16 I 4) K (72 J 2) L 28 L (39 J 3) = ?

Ans
$\times 1.119$
< 2.125
3. 123
4. 130
Q. 20 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs, EXCEPT one. Find that odd number pair.
Ans
$\times 1.441: 49$

- 2. $729: 81$
< $3.369: 41$

4. $343: 47$
Q. 21 A paper is folded (Fig. P and Q) and cut (Fig. R) as shown. How will the paper appear when unfolded?


Ans

$\times 2 . \square \square \square \square$

4. $\left[\begin{array}{lll}\square & \nabla & \square \\ > & \diamond & \Delta \\ \square & \Delta & \square\end{array}\right]$
Q. 22 A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

4. $\begin{array}{ll}\triangleleft\langle & \triangleleft \\ \Delta \Delta & \Delta \Delta \\ \Delta \Delta & \Delta \Delta\end{array}$
Q. 23 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1.Projectile
2.Projector
3.Prolong
4.Prolific
5.Prohibit

Ans
X1.1,5,4,2, 3

- 2. 5, 1, 2, 4, 3

X 3, 1, 5, 2, 4, 3
$\times 4.5,1,4,2,3$
Q. 24 Two different positions of the same dice are shown, the six faces of which are marked as A, B, C, D, E, F. Select the letter that will be on the face opposite to the one showing ' $D$ '.


Ans
1.E
$\times 2 . \mathrm{c}$
$\times 3 . F$
$\times 4$. B
Q. 25 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1.Campaigns
2. Catalytic
3. Candidature
4. Camphor
5. Cataracts

Ans
X 1. 1,3,4,2,5
Х $2.1,2,3,4,5$
2. 1,4,3,2,5
$\times 4.1,5,4,3,2$

[^1]Q. 1 If $A B=Q R, B C=P R$ and $C A=P Q$, then

Ans
X1. $\triangle P Q R \cong \triangle B C A$
X2. $\triangle A B C \cong \triangle P Q R$
2. $\triangle \mathrm{CBA} \cong \triangle \mathrm{PRQ}$

Х4. $\triangle B A C \cong \triangle R P Q$
Q. 2 In a decade, a town's population grew from 1,75,000 to $2,62,500$. What is the average annual percentage increase in population?
Ans
X1.8\%
$\times 2.3 \%$

- $3.5 \%$
$\times 4.10 \%$
Q. 3 Find the surface area of a sphere of diameter 21 cm . (Use $\pi=\frac{22}{7}$ )

Ans
$\times 1.988 \mathrm{~cm}^{2}$
$\times 2.1234 \mathrm{~cm}^{2}$
$\times 3.1445 \mathrm{~cm}^{2}$

- $4.1386 \mathrm{~cm}^{2}$
Q. 4 A train covers the distance between two stations $X$ and $Y$ in 6 hours. If the speed of the train is reduced by $13 \mathrm{~km} / \mathrm{h}$, then it travels the same distance in 9 hours. Find the distance between the two stations
Ans
X 1.220 km

2. 234 km

X 3.185 km
4. 215 km
Q. 5 In a bag, black tablet covers and white tablet covers are in the ratio 5:9. If there are 450 white tablet covers, how many black tablet covers are there in the bag?
Ans
$\times 1.200$
$\times 2.275$
$\times 3.225$
4. 250
Q. 6 The average weight of $A, B$ and $C$ is 65 kg . If the average weight of $A$ and $B$ is 62 kg and that of $B$ and $C$ is 66 kg , then the weight (in kg ) of $B$ is:
Ans
$\times 1.64$
$\times 2.63$
$\times 3.62$

- 4.61
Q. 7 Study the given table and answer the question that follows.

| Items | Food | Labour | Raw material | Cloth |
| :--- | :--- | :--- | :--- | :--- |
| Yearly Expense <br> (in thousand rupees) | 10 | 15 | 16 | 9 |

The combined expenses on food and on labour is what percentage of the total expenses on all the four items taken together?

Ans
$\times 1.40 \%$
$\times 2.15 \%$
X $3.25 \%$
4. $50 \%$
Q. 8 Anil offers his customer a discount of $15 \%$ on a T-shirt and he still makes a profit of $25 \%$. What is the actual cost of the T-shirt marked ₹500?

Ans

1. ₹340
< 2. ₹330
< 3. ₹350

- 4. ₹360
Q. 9 A family consists of two grandparents, two parents and four grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 9 years. What is the average age of the family?
Ans
$\times 1.40$ years

2. 30 years
< 3.36 years
$\times 4.45$ years
Q. 10 Find the total surface area of a cuboid whose length is 20 cm , width is 15 cm , and height is $8 \mathbf{c m}$.
Ans
3. $1160 \mathrm{~cm}^{2}$
4. $990 \mathrm{~cm}^{2}$
5. $1120 \mathrm{~cm}^{2}$
6. $1080 \mathrm{~cm}^{2}$
Q. 11 The diagonal of a cube is $\mathbf{2 4} \mathbf{~ c m}$. Find its total surface area.

Ans

- $1.1152 \mathrm{~cm}^{2}$
< 2. $1252 \mathrm{~cm}^{2}$
X $3.1100 \mathrm{~cm}^{2}$

4. $1366 \mathrm{~cm}^{2}$
Q. 12 The sum of two numbers is 17 and their product is 34 .Find the sum of their squares.

Ans $\times 1.224$
2. 221
< 3.225
4. 222
Q. 13 A container is normally filled in 5 hours. However, it takes 6 hours when there is a leak at the bottom. If the container is full, in what time would the leak empty it, if no water is allowed into the container during that period?
Ans
$\times 1.5 \mathrm{~h}$
$\times 2.6 \mathrm{~h}$
$\times 3.15 \mathrm{~h}$
4. 30 h
Q. 14 When two numbers are separately divided by 44, the remainders are 11 and 38, respectively. If the sum of the two numbers is divided by 44 , then the remainder will be:
Ans

1. 16
$\times 2.44$
$\times 3.33$
4.5
Q. 15 If $\tan \theta+\cot \theta=4$, then find the value of $\tan ^{2} \theta+\cot ^{2} \theta$.

Ans
$\times 1.10$
$\times 2.12$
$\times 3.16$
4. 14
Q. 16 Find the compound interest on ₹ 40,000 after 2 years 6 months at $20 \%$ per annum, if the interest is compounded half-yearly.
Ans

1. ₹ $24,820.40$
< 2. ₹ 25,520
2. ₹ $24,420.40$
< 4. ₹ $24,920.40$
Q. 17 If $8 x^{3}+27 y^{3}+64 z^{3}=72 x y z$, then the relation between $x, y$ and $z$ can be:

Ans

1. $2 x+3 y=-4 z$

X2. $2 x+y+z=0$
人3. $2 x-3 y+4 z=0$
4. $2 x+3 y=4 z$
Q. 18 Study the given table and answer the question that follows.

The table shows the number of different drinks purchased by customers in three different seasons.

| Season Drink | A | B | C | D |
| :---: | :--- | :--- | :--- | :--- |
| Summer | 30 | 45 | 50 | 38 |
| Winter | 25 | 32 | 40 | 50 |
| Rainy | 25 | 35 | 38 | 50 |

Which of the following is the most favourite drink of the people in winter?

Ans
$\times 1$. B
$\times 2$. A

- 3 D
$\times 4$. C
Q. 19 If the formula for converting degrees Fahrenheit to degrees Celsius is $\mathrm{C}=$ $\frac{5}{9}(F-32)$, what is the value of $F$ when $C$ is 30 ?

Ans
*1.86
X2. $-\frac{10}{9}$
X3. $-\frac{9}{10}$
$\times 4.54$
Q. 20 A shoe manufacturing company offers 3 types of discount schemes to its customers: (i) $\mathbf{2 0 \%}$ and $\mathbf{1 2 \%}$ (ii) $\mathbf{2 5 \%}$ and $5 \%$ (iii) $\mathbf{3 0 \%}$ and $3 \%$ at different stages of sales. Find the best scheme for the customer.

Ans

1. Only Scheme (iii)
2. Only Scheme (i)
( 3. Only Scheme (ii)
X 4. Both Schemes (i) and (ii)
Q. 21

Study the given graph and answer the following question.


As per data available in the table above, what was the aproximate percentage increase the percentage of the population affected by cold in 2020 when compared to the percentage of the population affected by cold in 1990 ?

Ans
1.43\%

X 2. $70 \%$
3.233\%
4. $333 \%$
Q. 22 Rahul bought 20 dozen toys at a cost of ₹ 375 each dozen. He sold each of them for $₹ 33$. The profit percentage is:
Ans

- 1.5 .6
$\times 2.6$
$\times 3.4 .7$
$\times 4.5$
Q. 23 The value of a machine depreciates every year by $10 \%$. If its present value is ₹ 35,000 , then the value of the machine after 2 years will be:
Ans

1. ₹28,350

X 2. ₹ 27,225
X $3 . ₹ 28,000$
X4. ₹ 27,750
Q. 24

The value of $\frac{\left[(5.4)^{3}-0.064\right]}{\left[(5.4)^{2}+2.16+0.16\right]}$ is $\qquad$ -

Ans
1.5
2. 7
< 3.3
4. 1
Q. 25 A beaker contains a mixture of two liquids $X$ and $Y$ in the ratio 5:3. When 6 litres of the mixture is drawn off and then replaced with $Y$, the ratio of $X$ and $Y$ becomes $5: 7$. How many litres of liquid $X$ was contained in the beaker initially?
Ans
$\times 1.18 .25$
X2. 22.5
3. 11.25
4. 15.5
Q. 1 पद्म विभूषण से सम्मानित उमयालपुरम के. शिवरामन एक $\qquad$ वादक हैं।

Ans

1. मृदंगम
$\times$ 2. वायलिन
X3. तबला
$X 4$. वीणा

## Q. 2 Which of the following is NOT a Fundamental Duty?

Ans $\times 1$. To protect the natural environment
$\times 2$. To abide by the Constitution
3. To cast vote during elections

X 4. To uphold and protect the unity and integrity of India
Q. 3 Which of the following statements is correct about mitochondria?

Ans $\quad$ 1. Mitochondria is present only in bacteria.
$\times 2$. Mitochondria is present in all living cells.
3 3itochondria is not bound by any membrane.
4. Mitochondria without outer membrane is called mitoplast.
Q. 4 Who among the following Indian Playback Singers holds the Guinness world record for singing the highest number of songs in one day?
Ans
X 1. Alka Yagnik
2. Kumar Sanu

X 3. Kavita Krishnamurthy
X 4. Udit Narayan
Q. 5 Who recognised the elements carbon, hydrogen and oxygen and opposed the phlogiston theory by discovering the role of oxygen in combustion and respiration?

Ans

1. Antoine Lavoisier
2. John Dalton
3. Niels Bohr
4. Joseph Louis Proust
Q. 6 Which type of radiation designates a part of the electromagnetic spectrum with frequencies approximately from 300 GHz to 3 kHz , or equivalent, wavelengths approximately from 1 mm to 100 km ?
Ans
5. Microwaves

X 2. Infrared waves
3. Radio waves

Х 4. Ultraviolet rays
Q. 7 निम्नलिखित व्यक्तियों में से किसने भारत के राष्ट्रगान की रचना की है?

Ans
$\times 1$. काजी नजरूल इस्लाम
$\times 2$. बंकिम चंद्र चट्टोपाध्याय
X 3. सत्यजीत रे
4. रविंद्रनाथ टैगोर
Q. 8 The current in the bulb will stop flowing:

Ans $\times 1$. when the conductor is on
2. if the circuit is broken
$\times$ 3. when the switch is turned on
4. if there is magnetic field
Q. 9 NDP at $\mathrm{FC}=\mathrm{GDP}$ at FC minus

Ans 1.depreciation
2. indirect taxes

X 3. net factor income from abroad
4. subsidies
Q. 10 Which of the following brought out the publication 'Elderly in India 2021'?

Ans

1. Ministry of Tribal Affairs

X 2. Ministry of Health and Family Welfare
3. Ministry of Statistics and Programme Implementation

X 4. Ministry of Planning
Q. 11 Who among the following is the author of the book 'Boys Don't Cry'?

Ans
X 1 . Zuni Chopra
2. Meghna Pant

X 3. Melita Tessy
X 4. Insiya Patanwala
Q. 12 The Mines and Minerals (Development and Regulation) Amendment Bill, 2021 was introduced in Lok Sabha on 15 March 2021, which amended the Mines and Minerals (Development and Regulation) Act, $\qquad$ .
Ans

1. 1957
<2. 1949

- 3.1952
<4. 1959
Q. 13 Padma Shri Guru Mayadhar Raut's pioneering spirit revived which of the following dances in 1950s and redefined the grammar and Abhinaya vocabulary of the dance form?
Ans
X 1. Bharatanatyam

2. Odissi

X 3. Manipuri
X4. Kuchipudi
Q. 14 Why do people living in the Konkan coast NOT encounter extremes of temperature and seasonal rhythm?
Ans
$\times 1$. Undulating landform
X 2. Location on leeward side of Sahyadri
3. Coastal location

X 4. Monsoon climate
Q. 15 Which place in the southern slopes of the Khasi Hills receives an average of 12,000 mm of rainfall per year?

Ans
X 1. Mylliem
X 2. Mairang
3. Mawsynram
4. Nongstoin
Q. 16 Where is Indian Institute of Skiing and Mountaineering situated?

Ans
$\times 1$. Dalhousie
2. Gulmarg

X 3. Manali
X 4. Uttarkashi
Q. 17 In Budget 2022, the Khelo India Scheme, a flagship Central Sector Scheme of the Ministry of Youth Affairs and Sports has been included in which of the following?
Ans
$X$ 1. President's Awards Scheme
2. PM's Awards Scheme
$X$ 3. National Awards Scheme
4. Sports Minister's Awards Scheme
Q. 18 Name the classical dancer who was awarded the 'Sangeet Natak Akademi Award' in 1966 for his contribution to Odissi.
Ans
X 1. Nileshwar Mukherjee
X 2. Haricharan Singh
3. Kelucharan Mohapatra
$\times 4$. Bipin Singh
Q. 19 Which of the following is the Sahitya Akademi Award winning novel of the Indian writer Amitav Ghosh?
Ans
$\times 1$. Flood of Fire
$\times 2$. The Hungry Tide
3. The Shadow Lines
4. Gun Island
Q. 20 In 2019, which disease, according to WHO, was ranked as the seventh leading cause of death globally?
Ans

1. Alzheimer's disease
2. Stroke

X 3. Lung cancer
X4. Diabetes
Q. 21 Who among the following Hindustani classical vocalists was awarded the Padma Bhushan by the Government of India and the title of 'Rajya Gayika' by the Government of Maharashtra in 1969?
Ans
<1. Gangubai Hangel
X 2. Sundari Dasi
3. Kesarbai Kerkar

X4. Nagrathnamma
Q. 22 Who among the following internationally acclaimed Kuchipudi dancers has been honoured with the prestigious Bharata Shastra Nritya Praveena National Award 2021?
Ans
< 1. Bhavna Reddy
2. V Satyanarayana Sarma
< 3. Deepa Shashindran
4. Aparna Satheesan
Q. 23 The central theme of Tokyo Paralympic 2020 was $\qquad$ -

Ans
X1. Inspire a Generation
2. United by Emotion
3. Faster, Higher, Stronger - Together
4. One World, One Dream
Q. 24 Which of the following books is an autobiography of the professional boxer Mike Tyson?
Ans $\quad \times 1$. Game Changer
2. Undisputed Truth: My Autobiography

X 3. Wide Angle
Х 4. Straight From the Heart: An Autobiography
Q. 25 The Sangeet Natak Akademi was set up in the year $\qquad$ _.
Ans
$\times 1.1952$
$\times 2.1950$

- 3.1953
$\times 4.1951$


## SSC CHSL

## Combined Higher Secondary Level Examination 2021 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $30 / 05 / 2022$ |
| Exam Time | $12: 30$ PM $-1: 30$ PM |
| Subject | CHSL 2021 Tier I |

## Section: English Language

Q. 1 Select the most appropriate ANTONYM of the given word. Clamour
Ans

1. Quiet
2. Complaint
3. Babble
4. Danger
Q. 2 Select the most appropriate synonym of the highlighted word. This is credible information provided by the informer.
Ans
X 1. detachable
5. commendable
6. digestible
7. dependable
Q. 3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The thief / entered the house, / in the middle of the night, / quiet.
Ans
8. The thief
9. in the middle of the night
10. entered the house
11. quiet
Q. 4 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 is such an untruthful man, that no one will believing him.
Ans
12. will believing him
13. He is such
14. that no one
15. an untruthful man,
Q. 5 Select the option that will improve the underlined part of the given sentence. The sweet and bitter memories of her past make her weak and sad.

Ans
$\times 1$. ought to make her pallid and unhappy
$\times 2$. had to make her pale and unhappy
$\times$ 3. must make her pastel and unhappy
4. made her feeble and unhappy
Q. 6 Select the most appropriate meaning of the given idiom. Have a soft spot for someone
Ans

1. To argue something with no effect
2. To like someone a lot
3. To show the true nature of someone
4. To resolve a problem successfully
Q. 7 In the following passage, a word has been deleted. Read the passage carefully and select the most appropriate option to fill in the blank.
In a $\qquad$ move, the robbers chose their next place of attack over 255 km away from the locations they had earlier $\qquad$ in Dewas.
Ans
$\times 1$. righteous, incorporated
@Qmaths
$\times$ 2. noble, decided
5. shrewd, targeted
6. corrupt, vanished
Q. 8 Select the most appropriate synonym of the given word. Reconnoitre

Ans
$\times 1$. Glance
$\times 2$. Disclaim
3. Inspect

人4. Overlook
Q. 9 Select the most appropriate synonym of the given word. Rescind
Ans

1. Revoke

人2. Sign
X 3. Validate
X 4. Accredit
Q. 10 Select the option that expresses the given sentence in active voice.

The thieves were caught by the police.
Ans
$\chi 1$. The police was caught the thieves.
$\times 2$. The police were caught the thieves.
$\times 3$. The police had caught the thieves.
4. The police caught the thieves.
Q. 11 Select the most appropriate meaning of the given idiom. Pull the plug
Ans

1. End something
2. Distract someone

X 3. Launch something
X4. Annoy someone
Q. 12 Select the INCORRECTLY spelt word

Ans
X 1. Possession
$\times$ 2. Jealous
3. Suspecious
4. Luxurious
Q. 13 Select the option that expresses the given sentence in passive voice. One expects better behaviour from a senior student
Ans $\times 1$. Better behaviour was expected from senior student.
$\chi$ 2. As a senior student you need to behave.
3. Better behaviour is expected from a senior student.
4. Senior student behaviour is expected better.
Q. 14 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. One morning the Giant was lying awake in bed when he heard some lovely music.
B. Then the Hail stopped dancing over his head, and the North Wind ceased roaring, and a delicious perfume came to him through the open casement. "I believe the Spring has come at last," said the Giant; and he jumped out of bed and looked out.
C. It was really only a little linnet singing outside his window, but it was so long since he had heard a bird sing in his garden that it seemed to him to be the most beautiful music in the world.
D. It sounded so sweet to his ears that he thought it must be the King's musicians passing by.
Ans

1. ADCB

X 2. BACD
X 3. BADC
X4. ACDB
Q. 15 Select the most appropriate meaning of the given idiom.

At loggerheads
Ans
X 1. In one's absence
X 2. At mercy
3. Disagreeing with

X4. To write down
Q. 16 Select the most appropriate ANTONYM of the highlighted word. Let's ascertain whether his claims have any truth.
Ans
$X 1$. detect
$\times$ 2. approve
3. disprove
$\times 4$. prove
Q. 17 Select the option that can be used as a one-word substitute for the given group of words.
A journey undertaken by a group of people with a particular purpose, especially that of exploration or research.
Ans
X 1. Voyage
2. Expedition
$\times$ 3. Sojourn
$\times$ 4. Pilgrimage
Q. 18 Select the correct homonym from the given options to fill in the blank. She couldn't eat the__ pizza by herself

Ans

1. whole
$\times 2$. heal
$\times 3$. hole
$\times 4$. hau
Q. 19 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. I am watching a movie, when my mother came into the room.
Ans
$\times 1$. I watched a movie
2. I was watching
$\times 3$. I would be watching
X 4. No substitution required
Q. 20 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The notice / that the office / posted over the wall / is very appropriate.
Ans
$\times 1$. that the office
3. posted over the wall
< 3. The notice
$\times 4$. is very appropriate

## 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 contract (1) $\qquad$ the author and the reader is a game. And the game is one of the greatest inventions (2) $\qquad$ Western civilisation: the game of telling stories, inventing characters and creating the (3) $\qquad$ paradise of the individual, from whence no one
can be expelled (4) $\qquad$ , in a novel, no one owns the truth and everyone has the right to be (5) $\qquad$ and understood.

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

Ans
$\times 1$ as
2. between
$\times 3$. before
X4. beside

## 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 contract (1) $\qquad$ the author and the reader is a game. And the game is one of the greatest inventions (2) $\qquad$ Western civilisation: the game of telling stories, inventing characters and creating the (3) $\qquad$ paradise of the individual, from whence no one
can be expelled (4) $\qquad$ , in a novel, no one owns the truth and everyone has the right to be (5) $\qquad$ and understood.

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

Ans
$\times 1$ in
2. of
$\times 3$. since
$\times 4$. about

## 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 contract (1) $\qquad$ the author and the reader is a game. And the game is one of the greatest inventions (2) $\qquad$ Western civilisation: the game of telling stories, inventing characters and creating the (3) $\qquad$ paradise of the individual, from whence no one
can be expelled (4) $\qquad$ , in a novel, no one owns the truth and everyone has the right to be (5) $\qquad$ and understood.

SubQuestion No: 23
Q. 23 Select the most appropriate option to fill in blank number 3.
@Qmaths
Ans
$\times$ 1. plausible
2. imaginary
3. drastic

X 4. transparent

## 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 contract (1) $\qquad$ the author and the reader is a game. And the game is one of the greatest inventions (2) $\qquad$ characters and creating the (3) $\qquad$ ies, inventing can be expelled (4) $\qquad$ in a novel no one own the truth and everyone has the right to be (5) $\qquad$ and understood.

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

Ans
$\times 1$. beside
$\times 2$. across
$\times 3$. beyond

- 4. because


## 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 contract (1) $\qquad$ the author and the reader is a game. And the game is one of the greatest inventions (2) $\qquad$
$\qquad$ Western civilisation: the game of telling stories, inventing characters and creating the (3) $\qquad$ paradise of the individual, from whence no one
can be expelled (4) $\qquad$ , in a novel, no one owns the truth and everyone has the right to be (5) $\qquad$ and understood.

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

Ans
$\times 1$. prejudiced
2. neglected

- 3. heard

4. removed

## Section : General Intelligence

Q. 1 In a certain code language, 'PULSE' is written as 'QTMRF' and 'HEART' is written as 'IDBQU'. How will 'LIVER' be written in that language?

Ans
$\times 1$.KJWFS
2. MHWDS

X 3. MJUFS
4. MKWFQ
Q. 2 If 13 September 2003 is a Saturday, then what will be the day of the week on 14 February 2005?
Ans
X 1. Friday
X 2. Wednesday
3. Monday
4. Saturday
Q. 3 In a certain code language, 'GRAPES' is written as 'EPYNCQ' and 'ROSE' is written as 'PMQC'. How will 'SAGE' be written in that language?
Ans
< 1. QYCE
X 2. CYEQ
X 3. QEYC
4. QYEC
Q. 4 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.
9: 17 :: 22 : ? :: 30 : 59
Ans
$\times 1.22$
$\times 2.56$

- 3.43
$\times 4.72$
Q. 5 Which of the following numbers will replace the question mark (?) in the given series? 67, 79, 64, ?, 61, 85

Ans

1. 82
$\times 2.84$
$\times 3.80$
$\times 4.83$
Q. 6 Which of the following numbers will replace the question mark (?) in the given series?

2, 26, ?, 170, 290, 442
Ans
$\times 1.50$
$\times 2.37$
$\times 3.65$

- 4.82
Q. 7 Two different positions of the same dice are shown. What is the number of dots on the face opposite to the one with four dots?

(ii)

Ans
1.5
$\times 2.1$
-3. 3
<4.2
Q. 8 Which of the following numbers will replace the question mark (?) in the given series? 12,37,114,347,1048,?
Ans
1.3252
2. 3153
$\times 3.3253$
$\times 4.3152$
Q. 9 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.
ABILITY : ITYLABI :: INSTEAD : EADTINS :: ENGLISH : ?
Ans

1. ISHLENG
2. LISHNGE

X 3. ESHLING
< 4. IHSLEGN
Q. 10 If I denotes ' $\div$ ', J denotes ' $x$ ', K denotes ' - ' and $L$ denotes ' + ', then what will come in place of '?' in the following equation?
$15 \mathrm{~L}(3 \mathrm{~J} 9) \mathrm{K}(12 \mathrm{~J} 2) \mathrm{L}(189 \mathrm{I} 9) \mathrm{L} 29=?$
Ans
$\times 1.72$
$\times 2.65$
< 3.62
4. 68
Q. 11 How many triangles are there in the given figure?


Ans

1. 13
2. 12
$\times 3.15$
3. 14
Q. 12 Select the option that is embedded in the given figure as its part (rotation is NOT allowed).


Ans

$\times 3$

Q. 13 Select the option that represents the letters that, when placed from left to right in the blanks, will complete the letter series. $D_{-} R X E C M R R_{-} E M R X+A M+X E$
Ans
X1.BXMER
X2.EBXMR
2. $\mathrm{M} X B E R$

X4.XMBER
Q. 14 Which of the following numbers will replace the question mark (?) in the given series? 2168,1979,1790,1601,1412,?

Ans

1. 1223
2. 1301
3. 1212
4. 1179
Q. 15 Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word. (The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word) Bear : Cub :: Owl : Owlet :: Deer : ?

Ans

1. Fawn

X 2. Pup
$\times 3$. Calf
$\times 4$. Foal
Q. 16 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.
4:31::7:223::6:?
Ans

1. 137
$\times 2.133$
$\times 3.123$
2. 131
Q. 17 A paper is folded and cut as shown. How will it appear when unfolded?


Ans

Q. 18 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
16*4*8*10*2*16
Ans
X $1 . \times, \div,-+,=$
X 2.,,,,$--++=$
X 3. $\div,+, x,-,=$
4. $\div,-+,+x=$
Q. 19 Which letter-cluster will replace the question mark (?) to complete the given series? RJGZ, NQWM, ?, FECM, BLSZ

Ans

1. JXMZ

X 2. KQDZ
X 3. KWMZ
X 4. JWZM
Q. 20 Which of the following numbers will replace the question mark (?) in the given number series?
209, 318, 427, 536, ?, 754
Ans
$\times 1.655$
2. 645
$\times 3.664$
$\times 4.635$
Q. 21 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).


Ans
$\times 1$

$\times 2$

$\times 3$

$\checkmark 4$.


Q． 22 Select the correct mirror image of the given combination when the mirror is placed at MN as shown．
$\left.r 3 y 57 c\right|_{N} ^{M}$
Ans



จ4．つ「टүعヶ

Q． 23 Select the correct combination of mathematical signs to replace the＊signs and to balance the given equation．
48＊6＊17＊3＊12＊5＊1
Ans
Х1．$\times,-,=,+, \times,+$
ㄱ․ $\div,+,-,=,+, \times$
Х $3 .+,=,-, \times,+,-\div$
4．$\div,+, x,=, x,-$

Q． 24 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order．
1．Solar System
2．Earth
3．India
4．Asia
5．Milky way
Ans
1．5，1，2，4，3
X 2．1，2，3，4，5
＜3．5，4，3，2， 1
$\times 4.2,1,3,4,5$
Q. 25 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:
Some rains are cyclones.
Some cyclones are draughts.
No draught is a thunder.
Conclusions:
I. Some cyclones are rains.
II. No thunder is a cyclone.
III. No draught is a rain.

Ans

1. Only conclusion I follows
2. Only conclusion II follows
3. Only conclusions I and III follow
4. Only conclusions I and II follow

## Section : Quantitative Aptitude

Q. 1 A can do a piece of work in 15 days, but with the help of $B$, he can do it in 9 days. In what time can $B$ do it alone?

Ans

1. 22.5 days
< 2.18 days
-3. 21 days
2. 20.5 days
Q. 2

The following bar charts provides information on the income and the expenditure of a company in five consecutive years from 2014 to 2018.


Find the difference between the profits made by the company in the years 2015 to 2017.
Ans

1. ₹ 10 lakhs

X 2. ₹12 lakhs
X 3. ₹5 lakhs
X4. ₹15 lakhs
Q. 3 The value of $\sin 18^{\circ}$ is given as $\frac{\sqrt{5}-1}{4}$. Using this value, find the value of $\cos 18^{\circ}$.

Ans

1. $\frac{\sqrt{10+2 \sqrt{5}}}{4}$
2. $\frac{\sqrt{5}+1}{4}$
$\times 3$.
3. $\frac{\sqrt{6}+\sqrt{2}}{4}$
4. $\frac{\sqrt{10-2 \sqrt{5}}}{4}$

## Q. 4 On buying 24 bangles Isha gets 6 bangles free of cost. What percent does Isha get as a discount?

Ans
X1.25\%
2. $20 \%$

X $3.10 \%$
4.15\%
Q. 5 The following table shows the marks of four students in four different subjects in an examination. Who among the four students scored the lowest aggregrate marks, when marks obtained in all the four subjects were taken together?

| Name | English | Hindi | Maths | Science |
| :--- | ---: | ---: | ---: | ---: |
| P | 65 | 75 | 72 | 58 |
| Q | 73 | 67 | 78 | 52 |
| R | 71 | 59 | 55 | 65 |
| S | 57 | 73 | 58 | 71 |

Ans
X1. P
2. $R$
$\times 3.5$
$\times 4 . Q$
Q.6 A shopkeeper mixes two qualities of rice, which cost him ₹ 40 per kg and ₹ 47.50 per kg respectively, in such a way that he has 15 kg of the blended rice costing him a total of ₹ 645 . What is the weight (in kg ) of the rice that cost him ₹ 47.50 per kg ?

Ans
$\times 1.5$
2. 6
$\times 3.10$
<4.9
Q. $7 \quad A$ is the average marks of a group of 10 students in a class and $A+8$ is the average of a group of 15 students which includes the group of 10 students as given. The total marks obtained by the group of 10 students is $X$ and the total marks obtained by the group of 15 students is $Y$. If $X: Y=3: 5$, then the value of $A+X+Y$ is $\qquad$ _.
Ans
$\times 1.1964$
$\times 2.1845$
$\times 3.2012$

- 4.1992
Q. 8 Two trains leave Agra for Calcutta at 9:00 a.m. and 9:30 a.m., respectively, and travel at $240 \mathrm{~km} / \mathrm{h}$ and $300 \mathrm{~km} / \mathrm{h}$, respectively. How many kilometres from Agra will the two trains meet?
Ans
$\times 1.270 \mathrm{~km}$
X2. 300 km

3. 600 km

X 4.240 km
Q. 9 The identity $4(z+7)(2 z-1)=A z^{2}+B z+C$ holds for all real values of $z$. Find the value of $A^{2}-B-C$.
Ans
$\times 1 .-16$
2. 40
$\times 3.36$
$\times 4.16$
Q. 10 Find the total surface area of a container in cylindrical shape whose diameter is 14 cm and height is 25 cm . [Use $\boldsymbol{\pi}=22 / 7$ ]

Ans
$\times 1.1452 \mathrm{~cm}^{2}$
$\times 2.1392 \mathrm{~cm}^{2}$

- $3.1408 \mathrm{~cm}^{2}$
-4. $1424 \mathrm{~cm}^{2}$
Q. 11 What is the difference between the compound interest on ₹ 10,000 for $1 \frac{1}{2}$
years at $4 \%$ per annum compounded yearly and half-yearly?
Ans
X 1 . ₹4.80
X 2 . ₹5.01
X 3 . ₹ 6.02

4. ₹4.08
Q. 12 The following table gives the marks scored out of 100 by Amit, Bablu, Cavin and Darshan in 5 subjects.

| Subjects | Amit | Bablu | Cavin | Darshan |
| :--- | :--- | :--- | :--- | :--- |
| Math | 98 | 89 | 96 | 88 |
| Biology | 95 | 95 | 99 | 94 |
| Physics | 96 | 97 | 94 | 96 |
| Chemistry | 89 | 86 | 87 | 88 |
| English | 96 | 95 | 94 | 98 |

Who among the following secured an average score of exactly $94 \%$ ?

Ans
X1. Darshan
2. Cavin

X 3. Bablu
(4. Amit
Q. 13 A shopkeeper wanted to sell ₹ 3,000 worth of products. He gave two options - giving three successive discounts of $10 \%$ each, or giving a single discount of $30 \%$. If a buyer chooses the former option how much extra/less does he pay as compared to the second option?
Ans
人 1. ₹87 less
X2. ₹60 extra
3. ₹87 extra
4. ₹60 less
Q. 14 At an election there were two candidates. A candidate got $38 \%$ of votes and lost by 7200 votes. The total number of valid votes is $\qquad$ -.
Ans
$\times 1.27360$
2. 30000
3. 273600
4. 3600
Q. 15 If $x=9$, then the value of $x^{5}-10 x^{4}+10 x^{3}-10 x^{2}+10 x-1$ is:

Ans
$\times 1.10$
2. 8
$\times 3.9$
-4.1
Q. 16 The third proportional of $\mathbf{4 2}$ and 63 is:

Ans $\times 1.96 .2$
$\times 2.63 .8$

- 3.94 .5
4.42 .5
Q. 17 A man travelled by car from city $A$ to city $B$ at a speed of $24 \mathrm{~km} / \mathrm{h}$ and returned from city B to city A at $16 \mathrm{~km} / \mathrm{h}$. Find his average speed over the whole journey.
Ans
X $1.19 .5 \mathrm{~km} / \mathrm{h}$
X2. $20 \mathrm{~km} / \mathrm{h}$
X $3.19 \mathrm{~km} / \mathrm{h}$

4. $19.2 \mathrm{~km} / \mathrm{h}$
Q. 18 A solid toy is in the shape which is a combination of a cylinder, cone and a hemispherical bowl. The cylinder contributes to $50 \%$ of the total volume of the toy, the cone contributes to $\mathbf{2 0 \%}$ of the volume. Find the ratio of the contribution (in terms of volume) of the cone, cylinder and hemisphere.
Ans
X1.2:3:5
<2.5:2:3
5. $2: 5: 3$
6. $4: 5: 3$
Q. $19\left\{\left(28-3^{3}\right)+99\right\}+136 \div 4 \times 5-\left(44-2^{2}\right)=$ ?

Ans
$\times 1.250$
$\times 2.200$

- 3.230
$\times 4.270$
Q. 20 Find the area of the sector of a circle of radius 7 cm with a central angle of $90^{\circ}$.

Ans
$1.38 .50 \mathrm{~cm}^{2}$
$\times 2.35 \mathrm{~cm}^{2}$
$\times 3.20 .67 \mathrm{~cm}^{2}$
$\times 4.28 \mathrm{~cm}^{2}$
Q. 21 If a company gives a discount of $20 \%$ on the marked price of an article and gains $\mathbf{2 0 \%}$ on that particular article, then at what percentage above the cost price did the company mark its goods?
Ans
1.50\%

- 2. $20 \%$
< $3.40 \%$
- $4.25 \%$
Q. 22 The total surface area of a cuboid of length 90 cm , breadth 50 cm and height 4 m is:

Ans
$\times 1.18 .15 \mathrm{~m}^{2}$
$\times 2.1 .21 \mathrm{~m}^{2}$
$\times 3.6 .05 \mathrm{~m}^{2}$
4. $12.1 \mathrm{~m}^{2}$
Q. 23 The average of the natural numbers divisible by 5 from the integers -10 to 35 is:

Ans
$\times 1 .-13.88$
$\times 2.17 .5$
$\times 3.15$
4. 20
Q. 24 If $2 x+y=8$ and $x y=6$, then find the value of $4 x^{2}+y^{2}$.

Ans
$\times 1.24$
$\times 2.16$
$\times 3.28$

- 4.40
Q. 25 The length of the longest stick that can be fitted in a cubical vessel having an edge of length 20 cm , is $\qquad$ —.
Ans
$\times 1.20 \mathrm{~cm}$
X2. $20 \sqrt{2} \mathrm{~cm}$
×3. $10 \sqrt{3} \mathrm{~cm}$
-4. $20 \sqrt{3} \mathrm{~cm}$

Section : General Awareness
Q. 1 $\qquad$ is a world-renowned exponent of the Bansuri or bamboo flute.
Ans $\times 1$. Anjanibai Malpekar
X 2. Meera Banerjee
X 3. Ajoy Chakrabarty
4. Hari Prasad Chaurasia
Q. 2 As of March 2021, with a throw of 88.07 m, javelin star Neeraj Chopra set a national record in the third Indian Grand Prix in $\qquad$ —.
Ans
X 1. Jallandhar
$\times 2$. Bhatinda
3. Patiala

X4. Ludhiana
Q. 3 Which of the following freedom fighters wrote 'The Story of My Experiments with Truth'?
Ans
X 1. BR Ambedkar
X 2. Jawahar Lal Nehru
3. Mahatma Gandhi
$\times 4$. Bhagat Singh
Q. 4 Rajeev Taranath, a disciple of Ali Akbar Khan, is a $\qquad$ player.
Ans X1. tabla

X 2. Flute
3. Sarod
4. Santoor
Q. 5 Kum Kum Mohanty received the Padma Shri award for her contribution to which of the following dance forms?

Ans
$\times 1$. Chhau
X 2. Manipuri
X 3. Bharatanatyam
4. Odissi
Q. 6 Which of the following angles of the flow of factor payments forms the basis to estimate the national income?
Ans
Х 1. Consumption angle
$\times 2$. Expenditure angle3. Income distribution angle
4. Production angle
Q. 7 'Straight from the Heart: An Autobiography' is the autobiography of which of the following Indian cricketers?

Ans

1. Kapil Dev
2. Sourav Ganguly
3. Sachin Tendulkar
4. Yuvraj Singh
Q. 8 Which of the following cities will be the host of Summer Olympics 2028 ?

Ans
$\times 1$. Michigan
$\times 2$. Chicago
X 3. New York
4. Los Angeles
Q. 9 In the case of Vikas KishanRao Gawali vs $\qquad$ , in January 2021, the Supreme Court observed that OBC reservation cannot exceed $50 \%$.
Ans

1. State of Madhya Pradesh
2. State of Maharashtra

X 3. State of Goa
4. State of Telangana
Q. 10 Famous classical dancer Tanjore Balasaraswati was awarded the $\qquad$ in 1977.

Ans

1. Padma Vibhushan

X 2. Padma Bhushan
X 3. Padma Shri
X4. Bharat Ratna
Q. 11 How many seats of Rajya Sabha are present in the state of Maharashtra?

Ans

- 1.1
(2. 10
$\times 3.31$

4. 25
Q. 12 Solanum lycopersicum $L$. is the scientific name of which of the following highly consumed vegetables?
Ans
5. Potato
6. Tomato
7. Onion
8. Garlic
Q. 13 'Third man' is related to which of the following sports?

Ans $\times 1$. Hockey
$\times 2$. Football
$\times 3$. Tennis
4. Cricket
Q. 14 How is the voltmeter connected across the points between which the potential difference is to be measured?

Ans
$\times 1$.
. Along the same magnetic field
2. In parallel
3. In concentric circles
4. Perpendicular to each other
Q. 15 As of June 2021, India men's football team captain became the secondhighest goal-scorer among the active international footballers.
Ans
×1. Anirudh Thapa
X 2. Sahal Samad
3. Sunil Chhetri
$\times$
4. Sandesh Jhingan
Q. 16 Who among the following Indian Carnatic musicians received the Padma Vibhushan award in 1991 and established the Academy of Performing Arts and Research in Switzerland?
Ans
X 1. Kishan Maharaj
2. Dr. Mangalampalli Balamuralikrishna

X 3. Ghulam Mustafa Khan
4. Chhannulal Mishra
Q. 17 Which outside layer of the Earth is less dense, thick, and andesitic to granite composition?

Ans
X 1. Oceanic crust
2. Continental crust

X 3. Mantle
X 4. Outer core
Q. 18 Identify the solution extracted from a plant belonging to division Thallophyta.

Ans $\times 1$. Turmeric solution
$\times 2$. Phenolphthalein solution
2. Litmus solution
$\times 4$. Cabbage solution
Q. 19 Titanium dioxide, which is used as a white pigment in products such as toothpaste, is derived from which mineral?

Ans
$\times 1$. Fluorite
2. Ilmenite
< 3. Silica
4. Mica
Q. 20 Soorya Classical Dance Festival is held in , $\qquad$ for 10 days every year.
Ans
X1. Rameshwaram
X 2. Madurai
3. Thiruvananthapuram
4. Mysuru
Q. 21 Kanaka Raju was awarded Padma Shri in 2021 for contribution to which of the following dance forms?

Ans

1. Gussadi
$X$ 2. Chhau
X 3. Sattriya
2. Sadhir
Q. 22 The electromagnetic spectrum describes the full range of light that is generally divided into ___ regions of wavelength and in the order of increasing energy and frequency.
Ans
$\times 1$. six
$\times 2$. eight
3. seven
$\times 4$. Five
Q. 23 Which artist's musical album is titled 'Land of Gold'?

Ans
X 1. Mita Nag
X 2. Anupama Bhagwat
2. Anoushka Shankar

Х4. Rajna Swaminathan
Q. 24 Who among the following is the author of the famous classic 'Alice's Adventures in Wonderland'?
Ans
$\times 1$. Roald Dahl
X 2. Ruskin Bond
2. Lewis Carroll

X 4. Ernest Hemingway
Q. 25 Sandalwood is found in which type of forests in India?

Ans $\times 1$. Tropical thorn forests and scrubs
2. Tropical deciduous forests

X 3. Mangrove forests
4. Tropical evergreen forests

## SSC CHSL

## Previous Year Paper 2021 <br> (Held on: 30 May 2022 Shift 3) English

## Combined Higher Secondary Level Examination 2021 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate |  |
| Name |  |
| Venue |  |
| Name |  |
| Exam Date | $30 / 05 / 2022$ |
| Exam Time | 4:00 PM - 5:00 PM |
| Subject | CHSL 2021 Tier I |

## Section : English Language

Q. 1 Select the option that will improve the underlined part of the given sentence. The South Indian dish was approved by the guests as it was tasty.

Ans

1. accepted by the visitors
2. gratified by the visitors
3. doomed by the visitors
4. condemned by the visitors

@Qmaths | Question ID : 26433045394 |
| ---: |
| Status : Answered |
| Chosen Option : $\mathbf{2}$ |

Q. 2 Select the most appropriate option to fill in the blank. She's been off work with $\qquad$ stomach.
Ans

1. an upset
2. an overset
< 3. an agitated
3. a perturbed

[^2]Q. 4 Select the INCORRECTLY spelt word.

Ans $\times 1$. Correspondence
2. Campaign
3. Experiment
4. Accommadation
Q. 5 Select the most appropriate meaning of the highlighted idiom. My friend was playing the devil's advocate in the discussion.
Ans
$\times 1$. One who is composed at all times
2. One who argues against something just for the sake of arguing
3. One who is good at judgement
4. One who pits the culprit against the lawyer
Q. 6 Select the most appropriate ANTONYM of the given word.

## Suffice

Ans

1. Excessed
2. Immatured

X3. Satirize
4. Dissatisfy
Q. 7 Select the most appropriate synonym of the given word. Opulence
Ans
X 1. View
$\times 2$. Sagacity
X 3. Recognition
4. Prosperity
Q. 8 Select the most appropriate meaning of the given idiom. Back out
Ans
$\times 1$. To stand out
X 2. To move backwards
3. To withdraw from
$\times 4$. To pull over
Q. 9 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Suchitra will have / to wait another month / before she received / any reply to her letter.
Ans
X 1. any reply to her letter
$\times$ 2. to wait another month
X 3. Suchitra will have4. before she received
Q. 10 Select the most appropriate option that can substitute the underlined segment in the given sentence. My mom told me to have cleaning up the kitchen before I go outside.
Ans
$X$ 1. to have clean out
2. to clean up
3. to clean over
4. to clean out
Q. 11 Select the INCORRECTLY spelt word.

Ans
$\times 1$. Protocol
$\times 2$. Medal
X 3. Opponents
4. Immitate
Q. 12 Select the option that will improve the underlined part of the given sentence. You are so efficient as he

Ans

1. as efficient as him
2. far efficient as he
3. so efficient as him
4. also efficient as he
Q. 13 Select the most appropriate meaning of the given idiom. Comparing apples with oranges
Ans
5. Calculation of proteins

X 2. Comparison between two kinds of fruits
$X$
3. To have a health issue
4. Unequal comparisons
Q. 14 Select the most appropriate option to fill in the blank. Their new house costed them $\qquad$ hundred and fifty-six thousand pounds.

Ans 1.a

X 2. the
$\times 3$. an
$\times 4$.few
Q. 15 Select the most appropriate meaning of the underlined word in the given sentence. The new software provides a perfect solution to the complex issues pertaining to pick up and delivery.
Ans
<1. Promoting
$\times 2$. Denying
X 3. Trusting
4. Referring
Q. 16 Select the option that will improve the underlined part of the given sentence. Shrija enquired about his daughter's reputation

Ans
X 1. assessed about his daughter's strength
2. condemned about his daughter's well-being

X 3. poked about his daughter's role
4. asked about his daughter's character
Q. 17 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.In its most humble function, it is a necessary guide without which progress from place to place would be a ceaseless experiment; it is a sustenance without which organised society would be impossible, thus the Road moves and controls all history.
B.The Road is one of the great fundamental institutions of mankind.
C.It is the Road which controls the development of strategies and fixes the sites of battles. It is the Road that gives framework to all economic development. It is the Road which is the channel of all trade, and, what is more important, of all ideas.
D.Not only is the Road one of the great human institutions because it is fundamental to social existence, but also because its varied effects appear in every department of the State. It is the Road which determines the sites of many cities and the growth and nourishment of all.

Ans

1. BDCA
2. DBAC
$\times 3 . \operatorname{CDAB}$
3. ABCD
Q. 18 Select the option that can be used as a one-word substitute for the given group of words.
A sudden unsteady movement ; a stagger
Ans
X 1. Lupin
4. Lurch

X 3. Lugger
$\times 4$. Lumen
Q. 19 Select the most appropriate ANTONYM of the underlined word. His poems are recondite in subject matter

Ans
X1. brief
2. simple
3. mystical
4. obscure
Q. 20 Select the INCORRECTLY spelt word

Ans $\times 1$. Absolute
2. Abscent

X 3. Absorb
X 4. Abstract

## 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.
In everyday language, the phrase 'sleepwalking' can be used (1) $\qquad$ informally and symbolically to describe a lack of energy or attention. However, for (2) $\qquad$ infants and adults, sleepwalking is a genuine disorder with serious (3) $\qquad$ . Sleepwalking, also known as somnambulism, is a sleep-related behaviour condition that causes people to walk or execute other (4) acts while they are still partly sleeping. It is more (5) $\qquad$ in children than in adults, and it is more likely to develop if a person has a family history of the illness, is sleep deprived or has many nightly awakenings.

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

Ans
$X$ 1. neither
$\times 2$. like
3. both
$\times 4$. to

## 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.
In everyday language, the phrase 'sleepwalking' can be used (1) $\qquad$ informally and symbolically to describe a lack of energy or attention. However, for (2) $\qquad$ infants and adults, sleepwalking is a genuine disorder with serious (3) . Sleepwalking, also known as somnambulism, is a sleep-related behaviour condition that causes people to walk or execute other (4) $\qquad$ acts while they are still partly sleeping. It is more
(5) $\qquad$ in children than in adults, and it is more likely to develop if a person has a family history of the illness, is sleep deprived or has many nightly awakenings.

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

Ans
$\times 1$. both
2. some

X3.few
$\times 4$. all

## Comprehension

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.
In everyday language, the phrase 'sleepwalking' can be used (1) $\qquad$ informally and symbolically to describe a lack of energy or attention. However, for (2) $\qquad$ infants and adults, sleepwalking is a genuine disorder with serious (3) . Sleepwalking, also known as somnambulism, is a sleep-related behaviour condition that causes people to walk or execute other (4) $\qquad$ acts while they are still partly sleeping. It is more
(5) in children than in adults, and it is more likely to develop if a person has a
family history of the illness, is sleep deprived or has many nightly awakenings.
SubQuestion No : 23
Q. 23 Select the most appropriate option to fill in blank number 3.

Ans

1. impetus

X2. impulsions
2. repercussions
4. causes

## 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.
In everyday language, the phrase 'sleepwalking' can be used (1) $\qquad$ informally
and symbolically to describe a lack of energy or attention. However, for (2) $\qquad$ infants and adults, sleepwalking is a genuine disorder with serious (3) __. Sleepwalking, also known as somnambulism, is a sleep-related behaviour condition that causes people to
walk or execute other (4) $\qquad$ acts while they are still partly sleeping. It is more
(5) $\qquad$ in children than in adults, and it is more likely to develop if a person has a
family history of the illness, is sleep deprived or has many nightly awakenings.
SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in blank number 4.

Ans
$\times 1$. comprehensive
2. complicated

X 3. compound
$\times 4$. combined

## 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.
In everyday language, the phrase 'sleepwalking' can be used (1) $\qquad$ informally and symbolically to describe a lack of energy or attention. However, for (2) $\qquad$ infants and adults, sleepwalking is a genuine disorder with serious (3) Sleepwalking, also known as somnambulism, is a sleep-related behaviour condition that causes people to walk or execute other (4) $\qquad$ acts while they are still partly sleeping. It is more
(5) in children than in adults, and it is more likely to develop if a person has a
family history of the illness, is sleep deprived or has many nightly awakenings.
SubQuestion No : 25
Q. 25 Select the most appropriate option to fill in blank number 5.

Ans
Х1. triumphant
2. prevalent

X 3. swift
X4. hidden

## Section: General Intelligence

Q. 1 In a certain code language, 'CHILD' is written as ' 6169248 ' and 'GUEST' is written as '142153840'. How will 'BOOK' be written in that language?
Ans
$\times 1.2303011$
$\times 2.41522$

- 3.4151522
$\times 4.23011$
Q. 2 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.

4 : 80 :: 7 : 392 :: 5 :?
Ans
$\times 1.148$
$\times 2.136$
$\times 3.162$

- 4.150
Q. 3 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
YXZ, VUW, SRT, POQ,?
Ans
X 1. LMN

2. MLN
$\times 3$. NML
X4. LNM

Q． 4 How many triangles are there in the given figure？


Ans
$\times 1.25$
＜2． 28
3． 24
4． 22

Q． 5 Which of the following numbers will replace the question mark（？）in the given series？
4，8，5，？，15， 90
Ans
$\times 1.18$
$\times 2.13$
$\times 3.22$
4． 20

Q． 6 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． GREATLY ：ERGAYLT ：：MIXTURE ：XIMTERU ：：TROUBLE ：？
Ans
X 1．BORTUEL
＜2．ORTUEBL
－3．TUELBOR
4．ORTUELB

Q． 7 Select the correct mirror image of the given combination when the mirror is placed at XY as shown． X
$135 \mathrm{ZWT} \mid$
Ans
1．TWSえ T I
－2．こ हILMZ
－3．LMZSEI
4．え ЄITWS
Q. 8 Which letter-cluster will replace the question mark (?) to complete the given series? NHMS, HNOU, ?, HNSY, NHUA
Ans

- 1. HNOX
< 2. NHSX
- 3. HNPY

4. NHQW
Q. 9 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 towels are cloths.
No cloth is a blanket.
Some blankets are cushions.
Conclusions:
I. Some towels are cushions.
II. No cushion is a cloth.
III. No towel is a blanket.

Ans

1. Only conclusion III follows.
2. Only conclusion I follows.
< 3. Both conclusions I and II follow.
3. Both conclusions I and III follow.
Q. 10 Two different positions of the same dice are shown, the six faces of which are marked as $€, \ldots, \mp, \notin, ₹, \lessdot$. Select the symbol that will be on the face opposite to the one showing ' ( C ".


Ans 1. $k$
2. $\boldsymbol{z}$
3. $=$
$\times 4 . €$
Q. 11 Select the correct combination of mathematical signs to replace the * signs and to balance the given equation. 43*11*4*71*16
Ans
X1.,$-=,+, \times$
人2. $=,-,+, x$
3. $+, x,=,+$

Х4.,$- \times,=,+$
Q. 12 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
$57 * 35^{*} 7^{*} 14^{*} 2^{*} 80$
Ans

- $2, x_{1}+,+,-$,

X $\times 1, \ldots,{ }^{2}$
Х $3 .+,-, \times, \div,=$
$\times 4 .+,-, \div, \times,=$
Q. 13 The second number in the given number-pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number-pairs EXCEPT one. Find that odd number-pair.

Ans

1. $16: 8$
2. $4: 5$
$\times 3.9: 6$
$\times 4.36: 9$
Q. 14 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1.Resolve
2.Rodent
3.Resonant
4.Return
5.Respond
6.Rigidity

Ans
X 1. 1, 3, 5, 4, 2, 6
X 2. 3, 1, 5, 4, 2, 6
3. $1,3,5,4,6,2$

X4.1,3,4,5,6,2
Q. 15 Select the option that is embedded in the given figure as its part (rotation is NOT allowed).


Ans

$\times 2$.

$\times 3$.

$\times 4$

Q. 16 The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.
Ans
< $1.53: 2916$
2. $41: 1765$
$\times 3.23: 576$
$\times 4.19: 400$
Q. 17 Select the correct mirror image of the given combination when the mirror is placed at MN as shown
y8r2e5|

Ans
$x$ - 2 ә 518 y
$x 25$ 2S 18 V


Q. 18 Which of the following numbers will replace the question mark (?) in the given series? 13, 25, 38, 62, 88, 124, 163, 211,?

Ans
$\times 1.253$
2. 263
$\times 3.235$
$\times 4.236$
Q. 19 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term
7 : 58 :: ? : 370 :: 12 : 153
Ans
$\times 1.20$
$\times 2.18$
$\times 3.21$

- 4.19
Q. 20 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 fourth term related to third term.

13 : 130 :: 15 : 180 :: 27 :?
Ans
$\times 1.649$
$\times 2.658$
$\times 3.650$

- 4.648
Q. 21 Select the option that is related to the fourth term in the same way as the first term is related to the second term and the fifth term is related to the sixth term 64 : 320 :: ? : 70 :: 22 : 110
Ans
$\times 1.12$

2. 14
$\times 3.8$
$\times 4.17$
Q. 22 In a certain code language, 'RAIN' is written as 'MHZQ' and 'COAT' is written as 'SZNB'. How will 'ROLE' be written in that language?
Ans
3. DKNQ
4. QDKN
5. KQDN
6. NDKQ
Q. 23 In a certain code language, 'SITAR' is written as 'RHSZQ' and 'BANJO' is written as 'AZMIN'. How will 'TABLA' be written in that language?

Ans
X 1. SAZKZ
2. SZAKZ

X 3. SZKAZ
X 4. SZAZA
Q. 24 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).


Ans

$\times 2$


- 3. 


$\times 4$.

Q. 25 एक व्यक्ति की ओर इशारा करते हुए राहुल ने कहा- "उसके पुत्र का पुत्र मेरी माँ की पुत्री का पिता है।" वह व्यक्ति राहुल से किस प्रकार संबंधित है?

Ans
$\times 1$. दादा
2. पिता के पिता का भाई
3. परदादा
4. पिता का भाई

[^3]Q. 1 Study the given bar-graph and answer the question that follows.

The given bar-graph shows the exports and imports (in crores of rupees) of five companies in a particular financial year.


Based on the given information, the ratio of exports to imports is highest in company $\qquad$ .

Ans
$\times 1 . \mathrm{A}$
<2.D
3. B

人4.E
Q. 2 The average runs scored by Sunil in 17 innings is 37 . What is his score in the $17^{\text {th }}$ inning, thereby, increasing his average score by 9 runs?
Ans
$\times 1.81$
$\times 2.108$

- 3.181
$\times 4.167$
Q. 3 In a company, there are only two types of employees: workers and officers. The average monthly salary of an officer is $₹ 78,000$ more than the combined average monthly salary of an employee, while the combined average monthly salary of an employee is ₹ 42,000 more than the average monthly salary of a worker. What percentage of all the employees are officers?
Ans
X1.28\%

2. $35 \%$

- $3.30 \%$
- $4.32 \%$
Q. 4 If $\alpha$ is an acute angle, which of the following options will NOT necessarily be equal to the value of sec $\alpha$ ?
Ans

$$
\begin{aligned}
& \times 1 \cdot \frac{1}{\cos \alpha} \\
& \text { 2. } \frac{1}{\sin \alpha} \\
& \times \text { 3. } \sqrt{1+\tan ^{2} \alpha} \\
& \times \text { 4. } \frac{\tan \alpha}{\sin \alpha}
\end{aligned}
$$

Q. 5 What is the volume of a right circular cylinder whose curved surface area is $12 \mathrm{~m} \mathrm{~cm}^{2}$ and the circumference of its base is 4 mcm ?
Ans
$\times 1.48 \pi \mathrm{~cm}^{3}$
$\times 2.36 \pi \mathrm{~cm}^{3}$
, $3.12 \pi \mathrm{~cm}^{3}$
$\times 4.24 \pi \mathrm{~cm}^{3}$
Q. 6 The curved surface area of a right circular cone of radius 28 cm is $4664 \mathrm{~cm}^{2}$. What is the slant height of the cone?(Use $\boldsymbol{\pi}=22 / 7$ )

Ans
, 1.53 cm
<2. 56 cm
$\times 3.64 \mathrm{~cm}$
$\times 4.48 \mathrm{~cm}$
Q. 7 The number 36 is increased by a certain percentage and becomes 63. Calculate that percentage.
Ans
$\times 1.50 \%$
2. $75 \%$
< $3.60 \%$
-4.85\%
Q. 8 Find the third proportion to 16 and 24.

Ans
$\times 1.30$
$\times 2.32$

- 3.36
$\times 4.42$
Q. 9 If $a+b=25$, then $(a-15)^{3}+(b-10)^{3}$ is:

Ans $\times 1.125$

- 2.0
$\times 3.625$
$\times 4.225$
Q. 10 If $p^{3}+3 p^{2}+3 p=26$, then the value of $p^{2}+2 p$ is:

Ans

- 1.8
$\times 2.12$
$\times 3.10$
$\times 4.15$
Q. 11 In a triangle $A B C, C A$ is produced to $P, \angle B A P=126^{\circ}$.

If $\angle B: \angle C=5: 2$, the degree measures of $\angle B$ and $\angle C$ are respectively:
Ans

- $1.90^{\circ}$ and $36^{\circ}$
$\times 2.84^{\circ}$ and $42^{\circ}$
$\times 3.78^{\circ}$ and $48^{\circ}$
$\times 4.70^{\circ}$ and $56^{\circ}$
Q. 12 When the price of a watch was reduced by $20 \%$, the number of watches sold is increased by $40 \%$. What was the effect on the sales in percentage?
Ans

1. $12 \%$ increase
2. $30 \%$ decrease

- $3.12 \%$ decrease

4. $30 \%$ increase
Q. 13 Study the given table and answer the question that follows.

|  | Number of <br> Tests per <br> day per <br> Lakh | Positive Cases | Number of <br> Patients for <br> Ventilators |
| :--- | :---: | :---: | :---: |
| USA | 14000 | $12 \%$ | $20 \%$ |
| Spain | 12000 | $8 \%$ | $12.5 \%$ |
| Italy | 18000 | $15 \%$ | $16 \%$ |
| China | 16000 | $11 \%$ | $15 \%$ |

The average number of tests per day per lakh in the four countries is:

Ans
$\times 1.15400$
$\times 2.15500$
$\times 3.15600$
4. 15000
Q. 14

Simplify $\left[\left(5 \frac{1}{2}\right)^{2}-\left(2 \frac{3}{4}\right)^{2}\right] \div 2 \frac{3}{4}$.
Ans

1. $8 \frac{1}{4}$
$\times 2.5 \frac{1}{2}$
-3. $8 \frac{3}{4}$
$\times 4.2 \frac{3}{4}$
Q. 15 The given table shows the revenue, cost and tax rate for a company for a period of 6 years. The revenue and cost are given in Rs. lakhs.

| Year | Revenue | Cost | Tax rate |
| :--- | :--- | :--- | :--- |
| 2015 | 62 | 30 | $15 \%$ |
| 2016 | 75 | 35 | $10 \%$ |
| 2017 | 84 | 38 | $15 \%$ |
| 2018 | 86 | 40 | $20 \%$ |
| 2019 | 90 | 45 | $25 \%$ |
| 2020 | 95 | 50 | $25 \%$ |

Profit $=$ Revenue - Cost
Profit after tax for any year $=$ Profit for that year - Tax for that year
Tax for any year $=$ Tax rate for that year $\times$ Profit for that year
Find the total sum (in Rs. lakhs) of profit after tax for 2015 to 2020.
Ans

1. 206.6
2. 192.8
< 3.220 .2
< 4.215 .3
Q. 16 Simplify the following : $6 \times\{6$ of $(6+6)\} \div\{(6 \div 6) \times(600 \%$ of 6$)\}$

Ans

1. 12
<2. 15552
<3. 108
<4.6
Q. 17 A book is sold for ₹ 1,554 by allowing a discount of $26 \%$ on its marked price. Find the marked price of the book.
Ans
$\times 1$ ₹ ₹1,854
2. ₹2,100

X 3. ₹ 1,750
人4. ₹ 2,000
Q. 18 Malay walks around a circular field at the rate of 7 rounds per hour, while Neha runs around it at the rate of 11 rounds per hour. They start in the same direction from the same point at 02:45 p.m. They shall first cross each other at:
Ans

1. 03:00 p.m.

人 2. 03:05 p.m.
X 3. 02:50 p.m.
4. 03:00 a.m.
Q. 19 A can do a piece of work alone in 96 days and B can do it alone in 104 days. In how many days can the duo, working together, complete the work?
Ans
X1. 49.94
2. 49.92
$\times 3.49 .96$
X4. 49.88
Q. 20 The Earth makes a complete rotation about its axis in 24 hours. Through what angle will it turn in $\mathbf{3}$ hours $\mathbf{3 0}$ minutes?
Ans
$\times 1.60^{\circ}$
$\times 2.65^{\circ}$
$\times 3.50^{\circ}$

- $4.52 .5^{\circ}$
Q. 21 What is the compound interest on ₹ 20,000 for 9 months at the rate of $4 \%$ per annum, when interest is compounded quarterly?
Ans
X 1. ₹610

2. ₹606.02

X 3. ₹609.05
X4. ₹605
Q. 22 The marked price of a shirt is ₹2,150. Let two successive discounts offered by the store be $10 \%$ and ' $x \%$ '. If the selling price of the shirt is $₹ 1,505$, then calculate the value of ' $x$ '. [Give your answer correct to two decimal places.]
Ans
X1.24.44\%
$\times 2.24 .24 \%$
3. $22.22 \%$

- $4.22 .42 \%$
Q. 23 Romesh opened a fixed deposits account in his bank for 3 years by depositing ₹ 80,000 . The bank has promised to pay him compound interest annually at the rate of $7 \%$ per annum. What is the maturity value of his FDR? (Nearest to a ₹)
Ans

1. ₹98,003
< 2. ₹98,970
< 3. ₹98,010
2. ₹98,900
Q. 24 If the number 5 X 8146 Y is divisible by 88 , then what is the value of X ?

Ans
, 1.3

- 2.1
$\times 3.2$
$\times 4.4$
Q. 25 A man bought a piece of land for ₹48,000. He sold two-fifth of it at a loss of 10\%. At what gain percentage (rounded off to 1 decimal place) should he sell the remaining land to earn an overall profit of $42 \%$ ?
Ans

1. $76.7 \%$

X2.84.3\%
3. 79.5\%

X 4.89.8\%

## @Qmaths

Section : General Awareness
Q. 1 Ustad Bade Ghulam Ali Khan is also known as $\qquad$ .

Ans
X 1. Sitar maestro
2. Alla Rakha
3. the Bharat Ratna recipient
4. Tansen of the 20th century
Q. 2 In which track and field event is the hop used?

Ans
X 1. Javelin throw
2. High jump
3. Triple jump
4. Broad jump
Q. 3 In December 2021, who among the following inaugurated the 'Bharat Darshan Park' in Delhi, which has replicas of major monuments from across the country created by a group of artists?

Ans 1. Amit Shah
2. Dharmendra Pradhan
3. Nirmala Sitharaman
4. Smriti Irani
Q. 4 Which of the following books is an autobiography of the Indian novelist Khushwant Singh?
Ans
X 1. My Confession
2. Truth, Love \& A Little Malice

X 3. My Story
X4. My Autobiography
Q. 5 A batsman can be given out in $\qquad$ ways.
Ans
$\times 1.6$
$\times 2.8$

- 3.10
$\times 4.5$
Q. 6 The Sangeet Natak Akademi is a body working under which of the following ministries of the Government of India?
Ans
$\times 1$. Ministry of Education
X 2. Ministry of Home Affairs

3. Ministry of Culture
4. Ministry of Tourism
Q. 7 In cell biology, what is a large double-membraned organelle that is sometimes referred to as the 'central unit' of the cell because it contains the chromosomes that bear genetic material?
Ans
$X$ 1. Peroxisome
5. Nucleus
6. Mitochondrion
7. Lysosome
Q. 8 Match the column A with column B.

| Column-A <br> (vitamin) | Column-B (Source) |
| :--- | :--- |
| i. Vitamin A | a. Carrot, mango, <br> papaya |
| ii. Vitamin B | b. Whole grain bread <br> and nuts |
| iii. Vitamin C | c. Citrus fruits, red <br> and green pepper |
| iv. Vitamin D | d. Egg yolk, soya <br> product |

Ans
<1. i-b, ii-a, iii-c, iv-d
<2. i-c, ii-b, iii-d, iv-a
X3.i-b, ii-c, iii-a, iv-d
4. i-a, ii - b, iii - c, iv - d
Q. 9 Lemon juice contains which when mixed with baking soda reacts to form carbon dioxide and sodium citrate causing the liquid to fizz and bubble.
Ans
人1. acetic acid
$\times 2$. formic acid
3. citric acid
$\times$ 4. tartaric acid
Q. 10 Rukmini Devi Arundale, awarded with Sangeet Natak Akademi Award in 1957, was a
$\qquad$
Ans

1. Bharatanatyam

X 2. Manipuri
$\times$ 3. Kathak

- 4. Kathakali
Q. 11 'The Private life of an Indian Prince' is a novel written by whom among the following authors?
Ans

1. Mulk Raj Anand
2. Ruskin Bond

X 3. R K Narayanan
X4. Arvind Adiga
Q. 12 The valleys lying between the lesser Himalayas and Shivaliks are called:

Ans $\times 1$. Duars
$\times 2$ 2. Tehri
$\times 3$. Terai
4. Duns
Q. 13 When was the Lalit Kala Akademi established?

Ans $\mathbf{X 1 . 1 9 6 5}$
$\times 2.1956$
X 3.1951
4. 1954
Q. 14 The micro finance movement in India was formally launched on a pilot basis by the
$\qquad$
Ans

1. National Bank for Agriculture and Rural Development (NABARD); 1992

X 2. National Bank for Agriculture and Rural Development (NABARD); 1994
3. Small Industries Development Bank of India (SIDBI); 1994
4. Small Industries Development Bank of India (SIDBI); 1992
Q. 15 When do electrons move for the flow of charges in a conducting metallic wire?

Ans
$\times 1$. When there is no difference of electric pressure
2. When the charges stop flowing
3. Only if there is a difference of electric pressure
4. Due to gravity
Q. 16 A Minister who for any period of $\qquad$ is not a member of either House of Parliament shall at the expiration of that period cease to be a Minister.

Ans

1. six consecutive months
$X$ 2. three consecutive months
$\times 3$. four consecutive months
$\times 4$. eight consecutive months
Q.17 A balanced diet takes care of all the following aspects, EXCEPT one. Identify the aspect.
Ans
2. Promotes a healthy mind

X 2. Meets the RDA for all nutrients
X 3. Includes nutrients in correct proportions
X 4. Includes a variety of food items
Q. 18 Which of the following novels was written by the Indian author Anuradha Roy?

Ans
X 1. Tell Her Everything
2. Sleeping on Jupiter

X 3. Midnight's Children
4 4. The Illicit Happiness of Other People
Q. 19 Which state of India launched the 'Ashirbad' scheme for education, health and maintenance of Covid orphans in June 2021?
Ans
X1. Karnataka
X 2. Kerala
X 3. Maharashtra
4. Odisha
Q. 20 As per statistics published by National Crime Records Bureau for 2020, which state tops in total number of crime incidences against senior citizens ( 60 years and above)?
Ans

1. Maharashtra
2. Madhya Pradesh
<3. Bihar
3. Uttar Pradesh
Q. 21 Ustad Bismillah Khan is best known for playing which of the following instruments?

Ans
X 1 . Tambura
$\times 2$. Sitar
$\times$ 3. Sarod
4. Shehnai
Q. 22 Sangeet Natak Akademi Award was constituted in which of the following years?

Ans
$\times 1.1969$
< 2. 1947

- 3.1952

X 4. 1961
Q. 23 Pandit Ananda Gopal Bandopadhyay was a $\qquad$ player of the Banaras gharana.
Ans
< 1. sarangi
< 2. sarod
X 3. sitar
4. tabla
Q. 24 How is food stored in brown algae?

Ans $\quad \times 1$. In the form of glucose
2. In the form of complex carbohydrates that may be in the form of laminarin or mannitol
3. In the form of complex lipids
4. In the form of oil droplets
Q. 25 Who among the following is credited with building Delhi's Lāl Quilā (Red Fort)?

Ans
X1. Akbar
$\times$ 2. Jahangir
X 3. Sher Shah Suri
4. Shah Jahan


[^0]:    Section: General Intelligence

[^1]:    Section: Quantitative Aptitude

[^2]:    Q. 3 Select the most appropriate option to fill in the blank. Rohan is $\qquad$ self-sufficient man who needs no assistance.
    Ans
    $\times 1$ in
    2. a
    $\times 3$. the
    <4. of

[^3]:    Section: Quantitative Aptitude

