## Combined Higher Secondary Level Examination 2019 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | $16 / 10 / 2020$ |
| Exam Time | $10: 00$ AM - 11:00 AM |
| Subject | CHSL Tier 1 |

Section : English Language (Basic Knowledge)
Q. 1 Given below are four jumbled sentences. Out of the given options, pick the one that gives their correct order.
A. While the most common belief is that these traits remain fixed, research studies show otherwise!
B. One such research study suggests that we can change our traits provided we want to change them.
C. We all possess certain personality traits that set us apart from the rest.
D. These traits, a mix of good and bad, define how we respond to situations and people.

Ans
Х 1 . ACDB
X ${ }_{2 .}$ CBDA

- 3. CDAB

X4. BCAD
Q. 2 Select the word which means the same as the group of words given.

One whom it is impossible to defeat
Ans
X 1. Dissatisfied
2. Cowardly

- 3. Invincible
(4. Inimitable
Q. 3 Select the correct indirect form of the given sentence.

The manager said, "I want you to attend the conference."
Ans

1. The manager said that she wanted me to attend the conference.
2. The manager said that she want me to attend the conference.
3. The manager told to me I am to go to attend the conference.
4. The manager said I am wanting you to attend the conference.
Q. 4 Select the INCORRECTLY spelt word.

Ans $\times$ 1. Immediate
X 2. Amass

- 3. Messanger
>4. Massage


## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Red okra from Karnataka. Black rice from Gujarat. Red corn from Tamil Nadu. What you would (1) _ as exotic varieties of food today are (2) $\qquad$ indigenous crops that belong to a specific region. Many such (3) $\qquad$ crops have gone extinct. Many more are on the brink. But with Indian households (4) $\qquad$ more conscious about healthy eating and the natural benefits of consuming local food, (5) $\qquad$ among both consumers and farmers is increasing.

SubQuestion No : 5
Q. 5 Select the most appropriate option for blank number 1.

Ans
1 1.describing2. describes
3. describe
4. described

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Red okra from Karnataka. Black rice from Gujarat. Red corn from Tamil Nadu. What you would (1) _ as exotic varieties of food today are (2) $\qquad$ indigenous crops that belong to a
specific region. Many such (3) $\qquad$ crops have gone extinct. Many more are on the brink. But with Indian households (4) $\qquad$ more conscious about healthy eating and the natura benefits of consuming local food, (5) $\qquad$ among both consumers and farmers is increasing.

SubQuestion No : 6
Q. 6 Select the most appropriate option for blank number 2.

Ans

- 1. mostly

X 2. surprisingly
3 3. incredibly
(4. openly

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Red okra from Karnataka. Black rice from Gujarat. Red corn from Tamil Nadu. What you would (1) $\qquad$ as exotic varieties of food today are (2) $\qquad$ indigenous crops that belong to a specific region. Many such (3) $\qquad$ crops have gone extinct. Many more are on the brink. But with Indian households (4) $\qquad$ more conscious about healthy eating and the natura benefits of consuming local food, (5) $\qquad$ among both consumers and farmers is increasing.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank number 3.

Ans

2. global

X3.foreign
(4.new

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Red okra from Karnataka. Black rice from Gujarat. Red corn from Tamil Nadu. What you would
(1) $\qquad$ as exotic varieties of food today are (2) $\qquad$ indigenous crops that belong to a specific region. Many such (3) $\qquad$ crops have gone extinct. Many more are on the brink. But with Indian households (4) $\qquad$ more conscious about healthy eating and the natural
benefits of consuming local food, (5) $\qquad$ among both consumers and farmers is
increasing.
SubQuestion No : 8
Q. 8 Select the most appropriate option for blank number 4.

Ans
Х 1. becomes
Х 2. have become
X 3.became
4. becoming

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Red okra from Karnataka. Black rice from Gujarat. Red corn from Tamil Nadu. What you would (1) $\qquad$ as exotic varieties of food today are (2) $\qquad$ indigenous crops that belong to a specific region. Many such (3) $\qquad$ crops have gone extinct. Many more are on the brink. But with Indian households (4) $\qquad$ more conscious about healthy eating and the natural benefits of consuming local food, (5) $\qquad$ among both consumers and farmers is increasing.

SubQuestion No : 9
Q. 9 Select the most appropriate option for blank number 5.

Ans
2. intelligence

3 3. apprehension
4. experience
Q. 10 Select the most appropriate word to fill in the blank.

You've cleared the $\qquad$ examination, haven't you?
Ans
2. ability3. conclusion
4. entrance
Q. 11 In the given sentence, identify the segment which contains the grammatical error.

A Delhi bound aircraft has to make an emergency landing at Mumbai airport as a woman passenger suddenly developed a serious breathing problem.

Ans
Х 1. suddenly developed
2. as a woman passenger

- 3. has to make

4. a serious breathing problem
Q. 12 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

My doctor knew that I would eventually recover and do the kind of work I would be doing before.
Ans

1. had been doing
2. would have been doing
3. would have done

X 4. No improvement
Q. 13 Select the correct passive form of the given sentence.

My friend narrated a very interesting story at the International Storytelling Festival.
Ans

1. A very interesting story was being narrated by my friend at the International Storytelling Festival.
2. A very interesting story has been narrated by my friend at the International

Storytelling Festival.3. A very interesting story was narrated by my friend at the International Storytelling

Festival.
4. A very interesting story is being narrated by my friend at the International Storytelling Festival.

## Q. 14 Select the most appropriate word to fill in the blank.

The student has made a $\qquad$ to the police about a false video of her that is being circulated by some miscreants.

Ans

- 1. complaint

X 2. complain
X 3.complainant
(4.complaining
Q. 15 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

The teacher said that all that students who did not complete the task in the given time should attempt it again.
Ans

1. No improvement

- 2. those

X3.this
X 4. them
Q. 16 Select the most appropriate meaning of the given idiom.

Let off the hook
Ans

1. Not made to wait for a long time
2. Not allowed to take part in an activity

- 3. Allowed to escape from blame

4. Made to pay for one's actions

## Q. 17 Select the INCORRECTLY spelt word.

Ans

- 1. Dimention

X 2. Jostle
X 3. Ideology
X 4. Illiterate
Q. 18 In the given sentence, identify the segment which contains the grammatical error.

According to environment activitists, demolition of unauthorised apartment complexes are became a lesson for land encroachers.

Ans
1 1. demolition of unauthorised apartment complexes

- 2. are became

3. for land encroachers

X4. According to
Q. 19 Select the most appropriate meaning of the given idiom.

Parthian shot
Ans
-1. Parting hit
2. Victory

X 3. Praise
4. Say goodbye
Q. 20 Select the most appropriate synonym of the given word.

DEROGATORY
Ans
X 1. Favourable
2. Appreciative

- 3. Sarcastic

X4. Lethargic
Q. 21 Given below are four jumbled sentences. Out of the given options, pick the one that gives their correct order.
A. Vijay the bus conductor was always there in one of these trucks.
B. He had now quit his old job and joined politics.
C. In the week before the elections, trucks bumped up and down the dirty streets of

Laxmangarh, full of young men holding microphones and shouting: "Stand up to the rich!"
D. That was the thing about Vijay; each time you saw him, he had done better for himself.

Ans

- 1. CABD

X 2 . CBAD
Х ${ }^{\text {. } A B C D}$
入4. DABC
Q. 22 Select the most appropriate ANTONYM of the given word.

INCOHERENT
Ans

- 1. Intelligible

X 2. Puzzling
X 3. Delightful
(4. Inconsistent
Q. 23 Select the word which means the same as the group of words given.

Soon passing out or of a short duration
Ans
(1. Frostbite

- 2. Evanescent
<3. Extempore

74. Fluke
Q. 24 Select the most appropriate ANTONYM of the given word.

OPTIONAL
Ans

1. Elective2. Fanciful
2. Original
3. Compulsory
Q. 25 Select the most appropriate synonym of the given word.

DEPLETE
Ans

- 1. Reduce

2. Complete

X 3. Raise
X4. Increase

Section : General Intelligence
Q. 1 चार शब्द दिए गए हैं, जिन में से तीन किसी तरह से समान हैं और एक असंगत है। असंगत शब्द का चयन करें।

Ans
$X 1$. खाने की मेज
2. पानी का फिल्टर
$X$ 3. अलमारी
X4. अध्ययन मेज़
Q. 2 In a certain code language, 458693 is coded as 367784 . How will 742351 be coded as in that language?

Ans
-1. 651442
X 2. 655442
X 3. 651462
X4. 863442
Q. 3 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All squares are rectangles.
2. All rectangles are polygons.

Conclusions:
I. Square is not a polygon.
II. Square is bothrectangle and polygon.

Ans

- 1. Only conclusion II follows.

X 2. Neither conclusion I nor II follows.
X 3. Both conclusions I and II follow.
$X$ 4. Only conclusion I follows.
Q. 4 Four pairs of letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.
Ans $X$ 1. KITE : TIEK
X 2. FIRU: RIUF
X 3. MANY: NAYM

- 4. LICK : ILCK
Q. 5 Arrange the following words in a logical and meaningful sequence.

1. Quintal
2. Kilo Gram
3. Gram
4. Milli Gram
5. Ton

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

- 4. $4-3-2-1-5$
Q. 6 In the given Venn diagram, different animals are represented by different areas. 'A' denotes 'dogs', ' $B$ ' denotes 'cats', ' $C$ ' denotes 'fishes', ' $D$ ' denotes 'mongooses', ' $E$ ' denotes 'rats', and ' $F$ ' denotes 'rabbits'. Which area represents the group of only dogs, fishes and mongooses?


Ans
X1. C

- 2. D

X 3. A
X4. F
Q. 7 Study the given pattern carefully and select the number that can replace the question mark (?) in it.


Ans
×1. 81
X2. 196

- 3. 256

X4. 289
Q. 8 Select the answer figure that can replace the question mark (?) in the following question figure.


Ans

Q. 9 Select the answer figure that can be formed by folding the given sheet along the lines.
$\left(\begin{array}{l|l|l}\hline \text { A } & & \begin{array}{l}\text { A will be opposite of } D \\ \text { C }\end{array} \\ \begin{array}{l|l}\text { D will be opposite of } F \\ \text { D } & \text { B } \\ \hline & \text { E } \\ \hline & \text { F will be opposite of } E\end{array} \\ \end{array}\right.$
Ans

Q. 10 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the question figure. Select the figure from the answer figures that would most closely resemble the unfolded paper.


Ans

Q. 11 Select the option that is related to the third term in the same way as the second term is related to the first term.

KLEN : EKNL :: GHIS : ?
Ans
X 1. IHGS
X 2. IHSG
X 3. IGHS

- 4. IGSH
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.

Car: Garage : : Aeroplane : ?
Ans
X 1. Sky
$X$ 2. Runway

- 3. Hangar

X4. Pilot
Q. 13 If a mirror is placed on line PQ in the question figure, then which of the answer figures is the correct mirror image of the question figure?


Ans

$>3$.


Q. 14 Find the number of triangles in the given figure.


Ans
X1. 21

- 2. 16

X 3.18
$\times 4.13$
Q. 15 Select the number that can replace the question mark (?) in the following figure series.


Ans
X1.11
Х2. 5

- 3. 14

X4. 16
Q. 16 Select the combination of letters that when sequentially placed from left to right in the blanks of the given series, will complete the series.
$\mathrm{a}_{-} \mathrm{cd}$ _ $\mathrm{cba}{ }_{-} \mathrm{bcddc}$ - $^{\mathrm{a}}$
Ans
X 1. aaba
2. bdab

X 3. adcb
X 4. babd
Q. 17 Select the number that can replace the question mark (?) in the following series.
$5,5,15,75,525, ?$
Ans
X 1.1575
X 2. 2625

- 3. 4725

X4. 1050
Q. 18 Select the answer figure in which the question figure is embedded. (Rotation is not allowed)


Ans
$\times 1$

$\checkmark 2$


Х 3

$\times 4$

Q. 19 Select the option that is related to the third number in the same way as the second number is related to the first number.
$215: 125:: 415: ?$
Ans
X 1.625

- 2.145

X 3. 250
X4.154
Q. 20 When Laxmi saw Mahesh, she said, "He is the son of the father-in-law of the father of my daughter". How is Mahesh related to Laxmi?
Ans
-1. Brother
$X$ 2. Son
X 3. Maternal uncle
$X$ 4. Nephew
Q. 21 Which two signs should be interchanged to make the given equation correct?
$(560 \div 80)+90 \times 8-38=600$
Ans
X1. + and $\div$

- 2. $\times$ and +

X $3 . \div$ and -
>4. + and -
Q. 22 In a family, Mr. and Mrs. Gajanan have five daughters and each daughter has one brother. How many persons are there in the family?
Ans
-1. 8
$\times 2.6$
$\times 3.9$
$\times 4.5$
Q. 23 In a certain code language, NEPOLIAN is written as MCQQKGBP. How will MOHANDEV be written as in that language?

Ans

- 1. LMICMBFX

X 2. LMICMBXF
X 3. NQGCLBFX
X 4. NQICMBFX
Q. 24 Select the letter that can replace the question mark (?) in the following series.

A, D, B, F, D, I, G, ?, K
Ans
X1. N

- 2. M

X3. E
X4. J
Q. 25 Four numbers have been given, out of which three are alike in some manner and one is different. Select the number that is different from the rest.

Ans
X 1.1331
X 2.1728
$\times 3.2197$

- 4. 2306


## Section : Quantitative Aptitude(Basic Arithmetic Skill)

Q. 1 Study the graph and answer the following question.


How many students spend 5 hours or more than 5 hours in playing mobile games per
day?
Ans
X1. 46

- 2. 14

Х 3.8
Х4. 6
Q. 2


In the given figure, $P Q R$ is a triangle in which angle $P$ : angle $Q$ : angle $R=3: 2: 1$, and $P R$ is perpendicular to $R S$. What will be the measure of angle TRS?
Ans
-1. $60^{\circ}$
$\times 2.45^{\circ}$
$\times 3.50^{\circ}$
$\times 4.30^{\circ}$
Q. 3 If the diameter of a circle bisects each of the two chords of the circle, then both the chords:

Ans
$X 1$. intersect at $90^{\circ}$

- 2. are parallel to each other
$X$ 3. intersect at $30^{\circ}$
$\times 4$. intersect at $60^{\circ}$
Q. 4


In the given figure, AP is perpendicular to BC , and AQ is the bisector of angle PAC . What will be the measure of angle PAQ?
Ans
Х1. $45^{\circ}$

- 2. $30^{\circ}$

Х3. $50^{\circ}$
Х4. $60^{\circ}$
Q. 5


In the given figure, if $O Q=Q R$, then the value of $m$ is:
Ans
-1. $3 n^{\circ}$
X2. $\mathrm{n}^{\circ}$
X 3. $2 \mathrm{n}^{\circ}$
X4. $4 n^{\circ}$
Q. 6 The following pie-chart shows the percentage-wise distribution of the number of students in five different schools $\mathrm{P}, \mathrm{Q}$,

R, S and T. Total number of students in all five schools together is 8400 .


The number of students in school T is what percentage of the total number of students in schools Q and S together
Ans
X 1. $45 \%$

- 2. $50 \%$

X 3. $40 \%$
X4. $55 \%$
Q. 7 If $x+\frac{1}{x}=4$, then the value of $x^{4}+\left(\frac{1}{x}\right)^{4}$ is:

Ans
$\times 1.14$
$\times 2.196$
X 3.16

- 4.194
Q. 8 The following graph shows the number of books sold by a book-seller during five months of 2019, April, May, June, July and August. Study the graph and answer the question.


The total number of books sold during these five months is:
Ans
X 1. 2950
X 2. 2900

- 3. 2850

X4. 2800
Q. 9 If $a+b=8$ and $a b=12$, then the value of $a^{3}+b^{3}$ is:

Ans
-1. 224
$\times 2.96$
X 3. 288
$\times 4.512$
Q. 10 If $a$ and $b$ are two positive real numbers such that $4 a^{2}+b^{2}=20$ and $a b=4$, then the value of $2 a+b$ is :

Ans
X 1.80
$\times 2.8$

- 3.6
$\times 4.5$
Q. 11 Raju can finish a piece of work in 20 days. He worked at it for 5 days and then Jakob alone finished the remaining work in 15 days. In how many days can both finish it together?

Ans

- 1. 10 days

X 2. 12 days
X 3. 16 days
X4. 20 days
Q. 12 The following chart shows the marks (in degrees) scored by a student in different subjects - English, Hindi, History, Economics and Political Science - in an examination. Total marks obtained in the examination are 600 . Observe the chart and answer the question.


What is the difference between marks scored in History and marks scored in Hindi?
Ans
X 1.40
X 2. 30

- 3.25

X4. 15
Q. 13 The value of $72-3(2+24 \div 4 \times 3-2 \times 2)+8$ is:

Ans $\quad{ }_{1}{ }_{1.72}$

- 2. 32
$\times 3.36$
$\times 4.24$
Q. 14 A train, 150 m long, is running at $90 \mathrm{~km} / \mathrm{h}$. How long (in seconds) will it take to clear a platform that is 300 m long?
Ans
X 1.6
- 2. 18
$\times 3.12$
$\times 4.50$
Q. 15 The proportion among three numbers is $3: 4: 5$ and their LCM is 1800 . The second number is:

Ans
X 1.150
$\times 2.30$

- 3. 120
$\times 4.90$
Q. 16 If the gain is one-fifth of the selling price, then the gain percentage is:

Ans
X $1.80 \%$
X 2. $20 \%$
X 3. $16 \%$

- 4. $25 \%$
Q. 17 If $\cos ^{2} \theta+\cos ^{4} \theta=1$, then the value of $\sin \theta+\sin ^{2} \theta$ is:

Ans
X1. 0
$\times 2 . \frac{1}{2}$
$\times 3.2$

- 4.1
Q. 18 If $\cos (A+B)=0$ and $\sin (A-B)=\frac{1}{2}$, then the value of $B$ is:
(Given $0^{\circ}<A, B<90^{\circ}$ )
Ans
$\times 1.45^{\circ}$
$\times 2.90^{\circ}$
$\times 3.60^{\circ}$
- 4. $30^{\circ}$
Q. 19 A person invested a total of ₹9,000 in three parts at $3 \%, 4 \%$ and $6 \%$ per annum on simple interest. At the end of a year, he received equal interest in all the three cases. The amount invested at $6 \%$ is:

Ans

- 1. ₹ 2,000

X 2. ₹ 3,000
X 3. ₹ 4,000
X4. ₹ 5,000
Q. 20 The area of a square field is $7200 \mathrm{~m}^{2}$. What is the length of its diagonal?

Ans
X 1.60 m
X2. 1800 m
X 3. 180 m

- 4. 120 m
Q. 21 If $\operatorname{cosec} \theta=\frac{\left(x^{2}+y^{2}\right)}{\left(x^{2}-y^{2}\right)}$, then what will be the value of $\tan \theta$ ?

Ans
$\times 1 \cdot \frac{\left(x^{2}-y^{2}\right)}{\left(x^{2}+y^{2}\right)}$
⒉ $\frac{2 x y}{\left(x^{2}-y^{2}\right)}$

- 3. $\frac{\left(x^{2}-y^{2}\right)}{2 x y}$

X4. $\frac{\left(x^{2}+y^{2}\right)}{2 x y}$
Q. 22 The value of a motorcycle depreciates every year by $4 \%$. What will be its value after 2 years, if its present value is ₹ 75,000 ?

Ans
X 1. ₹ 72,000
X 2. ₹ 70,120

- 3. ₹ 69,120

X4. ₹ 69,000
Q. 23 If ' $a$ ' is a natural number, then $\left(7 a^{2}+7 a\right)$ is always divisible by:

Ans 1. 7 and 14 both
X 2. 7 only
X 3. 14 only
X4. 21 only
Q. 24 In a company with 600 employees, the average age of the male employees is 42 years and that of the female employees is 41 years. If the average age of all the employees in the company is 41 years 9 months, then the number of female employees is:
Ans
-1. 150
$\times 2.250$
$\times 3.450$
$\times 4.350$
Q. 25 A shopkeeper allows a discount of $20 \%$ on an article and still makes a profit of $25 \%$. What does he pay for an article whose marked price is ₹ 800 ?

Ans
X 1. ₹492

- 2. ₹512

X 3. ₹ 800
X4. ₹ 640

## Section : General Awareness

Q. 1 The last Mauryan ruler to be killed by Pushyamitra Shunga was:

Ans
v 1. Brihadratha
X 2. Dasharatha
X 3. Bindusara
(4. Devavarman

## Q. 2 Who is the 47th Chief Justice of India?

Ans

- 1. Sharad Arvind Bobde

X 2. NV Ramana
3. Ranjan Gogoi
(4. Dipak Misra

## Q. 3 How many gold medals did India win at the '1986 Asian Games' held in Seoul, South Korea?

Ans 1.9

- 2.5
$>3.6$
>4.8


## Q. 4 In which year was the Bharat Ratna award instituted?

Ans
Х1. 1956

3
2. 1950
-
3. 1954

Х4. 1953
Q. 5 When was the Indian national song 'Vande Mataram' sung for the first time on a political occasion?
Ans
-1. 1896 INC session
X 2. 1900 INC session
X 3.1903 INC session
(4. 1911 INC session
Q. 6 Which is the second most abundant gas in Earth's atmosphere?

Ans
-1. Oxygen
> 2 . Nitrogen
3 3. Hydrogen
X 4. Carbon di oxide

## Q. 7 In which medium does sound travel faster?

Ans
X 1. Gas
<2. Liquid

- 3. Solid

X4. Vacuum

## Q. 8 Batholith is a type of:

Ans

1. secondary pollutant

Х 2 . valley
Х 3 . ocean current

- 4. igneous rock


## Q. 9 With which of the following sports is Manika Batra associated?

Ans
X1. Badminton
2. Cricket

- 3. Table Tennis

X4. Gymnastics

## Q. 10 The GST council is headed by the:

Ans

1. Prime minister

X 2. SEBI chairman
X 3. RBI governor
v 4. Union finance minister
Q. 11 The ___ is responsible for Earth's magnetic field.

Ans
\$ 1. inner core
< 2. mantle

- 3. outer core
<4. crust
Q. 12 Who is the author of the book 'The Blue Umbrella'?

Ans
(1. Suketu Mehta

- 2. Ruskin Bond

3. Vikram Seth
(4. Vikram Chandra
Q. 13 A higher $\qquad$ index represents inequality in income distribution.

Ans
<1.CPI

- 2. Gini
<3.GDP
(4. NDP
Q. 14 'Disha Act' was passed by which of the following state in December 2019?

Ans
Х 1. Karnataka

- 2. Andhra Pradesh
( 3. Telangana
(4. Tamil Nadu
Q. 15 Rambir Singh Khokar received the 'Dronacharya award' for:

Ans
<1. Wrestling
(2. Athletics

- 3. Kabaddi
(4. Football
Q. 16 Which of the following is NOT an e-commerce website?

Ans $<1$. Uber
< 2. Swiggy
< 3. Flipkart
4. Google Maps
Q. 17 International Astronomical Union (IAU) named minor planet 2006 VP32 (number -300128) in September 2019 after a famous Indian. Who is this Indian?
Ans
(1. APJ Abdul Kalam

- 2. Pandit Jasraj

Х 3. Hamsa Padmanabhan
X 4. Viswanathan Anand
Q. 18 In which part of a plant are mesophyll cells found?

Ans

Q. 19 is a diagrammatic representation of a program logic.
Ans
X1. Process
2. Flowchart
> 3 . Data
(4. Legend
Q. 20 The Constitution under Article ___ mandates the Election Commission, to conduct elections to the Parliament and the State Legislatures.
Ans
X 1.312

- 2.324

X 3.330
X4.298
Q. 21 Which river is also called 'Dihang' in India?

Ans 1. Brahmaputra
Х 2 . Indus
>3. Ganges
(4. Tapti
Q. 22 In which year was a separate Andhra state formed after the linguistic reorganisation of the then Madras province?
Ans
X1. 1950

- 2.1952

Х 3.1956
Х4. 1947
Q. 23 Birthplace of Guru Nanak known as Nankana Sahib today, was earlier called.

Ans
< 1. Roda
< 2. Umarkot

- 3. Rai Bhoi di Talvandi
(4. Luni
Q. 24 A force due to which moving objects (wind and water current) tend to deflect to the right in Northern hemisphere and left in Southern hemisphere is known as:
Ans

1. Coriolis force

Х 2. Endogenic force
3. Magnetic force

Х4. Applied force
Q. 25 'Dhimsa' is a tribal dance form of which Indian state?

Ans
X 1. Madhya Pradesh
Х 2. Arunachal Pradesh
(3. Himachal Pradesh

- 4. Andhra Pradesh


## Combined Higher Secondary Level Examination 2019 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name | $16 / 10 / 2020$ |
| Exam Date | $1: 00$ PM $-2: 00$ PM |
| Exam Time | CHSL Tier 1 |
| Subject |  |

## Section : English Language (Basic Knowledge)

Q. 1 In the sentence identify the segment which contains a grammatical error.

I learnt to adapt quickly to new schools because we moved to new places quite frequent.
Ans
Х 1. I learnt to adapt quickly
2. we moved to new places

- 3. quite frequent

4. to new schools
Q. 2 Select the most appropriate synonym of the given word.

ROWDY
Ans

1. Charming
2. Boisterous

X 3. Calm
(4. Amenable
Q. 3 Select the most appropriate synonym of the given word.

BARREN
Ans
X 1. Fertile
> 2 . Bountiful

- 3. Desolate

4. Fruitful
Q. 4 Select the most appropriate meaning of the given idiom.

Once in a blue moon
Ans

1. An incident that is scary
2. Happening only once in a lifetime
3. Happening only rarely

X4. An unforgettable experience

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

To close the day on a high note, we decided to spend the rest of (1) $\qquad$ evening at a $100-$ year-old historic watering hole in downtown Juneau. We wanted to (2) $\qquad$ _ our bear sightings and how it feels to be in the wild. While raising a toast and reminiscing (3) $\qquad$ our time in the woods, I felt a deeper connection with nature. It was a (4) $\qquad$ experience to walk for miles with no particular reason or intention other than absorbing (5) $\qquad$ solitude of the jungle, open to the sky.

SubQuestion No : 5
Q. 5 Select the most appropriate option for blank No. 1.

Ans

1. their
> 2 . ours
$\checkmark$
2. our4. theirs

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

To close the day on a high note, we decided to spend the rest of (1) $\qquad$ evening at a $100-$ year-old historic watering hole in downtown Juneau. We wanted to (2) $\qquad$ our bear sightings and how it feels to be in the wild. While raising a toast and reminiscing (3) $\qquad$ our time in the woods, I felt a deeper connection with nature. It was a (4) $\qquad$ experience to walk for miles with no particular reason or intention other than absorbing (5) $\qquad$ solitude of the jungle, open to the sky.

SubQuestion No: 6
Q. 6 Select the most appropriate option for blank No. 2.

Ans
(1. celebrated

Х 2. celebration

- 3. celebrate

4. celebrates

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

To close the day on a high note, we decided to spend the rest of (1) $\qquad$ evening at a $100-$ year-old historic watering hole in downtown Juneau. We wanted to (2) $\qquad$ our bear sightings and how it feels to be in the wild. While raising a toast and reminiscing (3) $\qquad$ our time in the woods, I felt a deeper connection with nature. It was a (4) $\qquad$ experience to walk for miles with no particular reason or intention other than absorbing (5) $\qquad$ solitude of the jungle, open to the sky.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank No. 3.

Ans
X1.for
$>$ 2. in
>3.with

- 4. about


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

To close the day on a high note, we decided to spend the rest of (1) $\qquad$ evening at a $100-$ year-old historic watering hole in downtown Juneau. We wanted to (2) $\qquad$ our bear sightings and how it feels to be in the wild. While raising a toast and reminiscing (3) $\qquad$ our time in the woods, I felt a deeper connection with nature. It was a (4) $\qquad$ experience to walk for miles with no particular reason or intention other than absorbing (5) $\qquad$ solitude of the jungle, open to the sky.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank No. 4.

Ans

- 1. profound

2. sincere
3. comical
4. dismal

## Comprehension

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

To close the day on a high note, we decided to spend the rest of (1) $\qquad$ evening at a $100-$ year-old historic watering hole in downtown Juneau. We wanted to (2) $\qquad$ our bear sightings and how it feels to be in the wild. While raising a toast and reminiscing (3) $\qquad$ our time in the woods, I felt a deeper connection with nature. It was a (4) $\qquad$ experience to walk for miles with no particular reason or intention other than absorbing (5) $\qquad$ solitude of the jungle, open to the sky.

SubQuestion No : 9
Q. 9 Select the most appropriate option for blank No. 5.

Ans
Х 1. some
2. the
>3.a4. much
Q. 10 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Some such common events that bring us happiness for a short time include passing an exam, getting a job, going on a vacation or buying a dream house.
B. Happiness is more difficult to achieve than peace as we keep striving for it daily.
C. Peace, on the other hand, is sustainable for many years, costs less energy, and doesn't depend on external events such as these.
D. Events that we struggle for in our daily lives to bring us happiness only come randomly,
stay for a short time and subside.
Ans

1. BDAC
2. $A C D B$
3. BCAD
Х4.BACD
Q. 11 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

We've had a long day. We should rest now, shouldn't we?
Ans
Х 1. hadn't we
2. haven't we

- 3. No improvement

X4. won't we
Q. 12 Select the INCORRECTLY spelt word.

Ans
Х 1 . Balloon
Х 2. Adulteration
< 3 Irritant
4. Bunglow

## Q. 13 Select the INCORRECTLY spelt word.

Ans
X 1. Distance2. Arguement

X 3. Commitment
X4.Existence
Q. 14 Select the correct indirect form of the given sentence.

Roopa said to me, "Please accompany me to the market."
Ans

1. Roopa said please accompany me to the market.

X 2. Roopa said to me that you must accompany me to the market.

- 3. Roopa requested me to accompany her to the market.

4. Roopa is requesting me to accompany her to the market.
Q. 15 Select the word which means the same as the given group of words.

Arrangement of events or dates in the order in which they happen
Ans
入 1. Geology
v 2. Chronology
X 3. Archaeology
Х4. Ecology
Q. 16 Select the most appropriate word to fill in the blank.

There was a range of $\qquad$ that kept tourists engaged during the International Film Festival in Goa.
Ans
Х 1. moments
Х 2 . conversions
3.employments

- 4. activities
Q. 17 Select the most appropriate ANTONYM of the given word.

CONCEALED
Ans
Х 1. Masked

- 2. Revealed

X 3 . Discussed
X4. Hidden
Q. 18 Select the correct passive form of the given sentence.

We are arranging an exhibition of sarees from different states of India at Dilli Haat.
Ans

1. An exhibition of sarees from different states of India is being arranged by us at Dilli

Haat.
2. An exhibition of sarees from different states of India was arranged by us at Dilli

Haat.
3. An exhibition of sarees from different states of India has been arranged by us at Dilli Haat.
4. An exhibition of sarees from different states of India will be arranged by us at Dilli

Haat.
Q. 19 In the sentence identify the segment which contains a grammatical error.

The environment protection policy need to become stricter if we wish to combat climate change.
Ans
1 1. The environment protection policy
2. need to become stricter
3. combat climate change
4. if we wish to
Q. 20 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. He flew down, searched for her until he found her and then asked her to become his wife.
B. A hawk flying about in the sky one day decided that he would like to marry a hen whom he often saw on earth.
C. The hawk was delighted and flew away after giving her a ring as an engagement present, and telling her to take good care of it.
D. She at once gave her consent on the condition that he would wait until she could grow wings like his, so that she might also fly high.
Ans
X 1. BDCA
X2. BCDA

- 3. BADC

X4. ADCB
Q. 21 Select the most appropriate word to fill in the blank.

I had a stroke at an early age, but what I thought was a great $\qquad$ at that time changed my life for the better.
Ans
X 1. lowliness
2. significance

- 3. setback

X 4. moodiness
Q. 22 Select the most appropriate ANTONYM of the given word.

## ADMONISH

Ans

- 1. Applaud

Х 2 . Belittle
X 3.Harden
(4.Attack
Q. 23 Select the word which means the same as the given group of words.

Someone who freely gives money and help to people who need it
Ans
Х 1. Philologist

- 2. Philanthropist
( 3. Impressionist

74. Receptionist
Q. 24 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

Rohit Sharma have declared the best batsman of 2019.
Ans
Х 1. had declared

- 2. has been declared

Х 3. No improvement
4. is declaring
Q. 25 Select the most appropriate meaning of the given idiom.

To leave someone in the lurch.
Ans

1. To put someone at ease
2. To come to compromise with someone
3. Constant source of annoyance to someone
4. To desert someone in his difficulties

Section: General Intelligence
Q. 1 If in a coded language 'UNIQ' is written as 'SJCI', then in the same coded language, 'MODE' will be written as:

Ans

1. KKXW

X 2. KKXV
$X$ 3. KKXX
X4. KKXT
Q. 2 Find the number of triangles in the given figure.


Ans
X 1.18
$\times 2.37$
$\times 3.30$

- 4. 29
Q. 3 Select the number that will replace the question mark (?) in the following series.

4, 5, 9, 18, 34, 59, ?, 144, 208, 289
Ans 1. 95
X2. 89
$\times 3.90$
$\times 4.88$
Q. 4 Identify the letter that does NOT belong to the following series.

I, L, O, S, U, X
Ans

- 1. S
$\times 2.0$
X 3. X
X4. L
Q. 5 In a certain code language, 458 is written as 'she is good', 742 is written as 'that is cow' and 841 is written as 'good is bad'. Which number denotes the word 'bad' in that language?

Ans
$\times 1.4$
$\times 2.2$
$\times 3.8$

- 4.1
Q. 6 Arrange the following words in a logical and meaningful sequence.

1. Paragraph
2. Sentence
3. Letter
4. Phrase

## 5. Word

Ans

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

X 2. 5,3,1,2,4
X 3. 1,2,3,4,5
X 4.3,5,1,2,4
Q. 7 Select the combination of letters that when sequentially placed from left to right in the blanks of the given series will complete the series.
_om_onm_mnon_omn_n
Ans
X 1. moomm

- 2. mnomo

X 3.nnmmo
X4. nmomn
Q. 8 Select the answer figure that can be formed by folding the given sheet along the lines.

@ will be opposite of (\$)
\# will be opposite of (!)
\% will be opposite of (*)

Ans
Х 1


× 3

$\times 4$

Q. 9 In a certain code language, RDHKLP is written as QCJMKO. How will ROHINY be written as in that language?

Ans

- 1. QNJKMX

X 2. QNJKCX
X 3. QNJLNX
X 4. QNIJMX
Q. 10 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
5


9


Ans
-1. 737
$\times 2.521$
$\times 3.729$
$\times 4.396$
Q. 11 Select the letter that can replace the question mark (?) in the following series.

A, D, C, G, F, K, J, ?
Ans
X1. L
>2. T
>3.0

- 4. P
Q. 12 Select the number that can replace the question mark (?) in the following series.
$7,16,24,31,37, ?$
Ans
X1. 45
$\times 2.58$
X 3.39
- 4.42
Q. 13 Which two signs or numbers should be interchanged to make the given equation correct?
$(56 \div 7)+5 \times 8-12=60$
Ans
X1. 7 and 5
$\times 2 . \times$ and +
$\times 3 .+$ and $\div$
- 4.8 and 12
Q. 14 Select the answer figure in which the question figure is embedded. (Rotation is not allowed)


Ans

Q. 15 Pointing to a photograph, Mohan said, "The person who is standing with my mother in the photograph is the only son of my father". How is the person related to Mohan?

Ans

1. Nephew
$X$ 2. Father
X 3. Cousin

- 4. Mohan himself
Q. 16 Select the option that is related to the third number in the same way as the second number related to the first number.
$236: 263:: 768: ?$
Ans
X1. 788
$\times 2.778$
X 3.876

4. 786
Q. 17 If a mirror is placed on line PQ in the question figure, then which of the answer figures is the correct image of the question figure?

Question figure:

Ans

$\times 3$

$X$

Q. 18 In the given Venn diagram, different areas denote different types of players. 'A' denotes 'tennis players', 'B' denotes 'badminton players', 'C' denotes 'hockey players' and 'D' denotes 'football players'. Which area represents the group of all types of sports players?


Ans
X1. A

- 2. C

X 3. B
X4. D
Q. 19 After giving a discount of $25 \%$ on the marked price, a laptop is sold at $₹ 22,500$. What is its marked price?

Ans
X 1. ₹ 32,000
X2. ₹ 36,500

- 3. ₹ 30,000
X4. ₹ 29,000
Q. 20 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. Some bananas are mangoes.
2. Some mangoes are cats.

Conclusions:
I. All cats are bananas.
II. Some cats are mangoes.

Ans
$X$ 1. Only conclusion I follows.

- 2. Only conclusion II follows.
$X$ 3. Both conclusions I and II follow.
X 4. Neither conclusion I nor II follows.
Q. 21 Select the number that can replace the question mark (?) in the following series.
$1,2,4,7,13,24,44$, ?
Ans
-1. 81
<2. 73
X 3.63
X 4.112
Q. 22 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the question figure. Select the figure from the answer figures that would most closely resemble the unfolded paper.


Ans


72. | $\nabla \nabla$ |  |
| :---: | :---: |
|  | $\Delta$ |
| $\Delta \Delta \Delta \Delta$ |  |


$>4$

Q. 23 Select the option that is related to the third term in the same way as the second term is related to the first term.

PTR: R38: : IMK : ?
Ans
X 1. M24
X 2. K20
X 3. M20

- 4. K24
Q. 24 Select the answer figure that can replace the question mark (?) in the following question figure.


Ans

$\times 2$


Q. 25 Select the option that is related to the third term in the same way as the second term is related to the first term.

BUS : AWP : : CAR : $\qquad$
Ans
X 1. BUD
X 2. BCD
X 3. CAB

- 4. BCO
Q. 1 In the given figure, AP is perpendicular to BC , and AQ is the bisector of angle A . What will be the measure of angle PQA?


Ans
$\times 1.50^{\circ}$
$\times 2.60^{\circ}$
$\times 3.30^{\circ}$

- $4.75^{\circ}$
Q. 2 The value of $10-[121 \div(11 \times 11)-(-4)-\{3-(8-1)\}]$ is:

Ans $\times 1 .-1$

- 2. 1
>3. 0
$\times 4.19$
Q. 3 A mobile phone was sold for $₹ 31,500$ after giving two successive discounts of $30 \%$ and $10 \%$, respectively. What was the marked price of the mobile?
Ans
- 1. ₹ 50,000

X2. ₹ 55,000
X3. ₹ 52,500
X4. ₹ 35,000
Q. 4 In how may years will a sum of $₹ 320$ amount to $₹ 405$ if interest is compounded at $12.5 \%$ per annum?

Ans

1. 2 years

X2. 1 year
X 3. $2 \frac{1}{2}$ years
X4.1 $\frac{1}{2}$ years
Q. 5 Study the following graph and answer the question based on the graph.


How many teachers are aged 45 years or more but less than 50 years?
Ans $\quad \times 1.2$
$\times 2.3$
$\times 3.6$

- 4.5
Q. 6 Salma buys an article and then sells it for ₹ 810 . If she loses $10 \%$, then at what price should she sell it to gain $4 \%$ ?

Ans
X 1. ₹864
X 2. ₹ 729

- 3. ₹936

X4. ₹900
Q. 7 Study the following graph and answer the question based on the graph.


On which day the production was $1 / 5$ th of the total production?
Ans
$X$ 1. Wednesday
$X$ 2. Thursday
X 3. Tuesday

- 4. Friday
Q. 8 Given that $2^{20}+1$ is completely divisible by a whole number, which of the following is completely divisible by the same number?

Ans
X1. $2^{15}+1$
X2. $5 \times 2^{30}$
X 3. $2^{90}+1$

- 4. $2^{60}+1$
Q. 9 If $\sin \theta+\operatorname{cosec} \theta=2$, then the value of $\sin ^{2} \theta+\operatorname{cosec}^{2} \theta$ is:

Ans
X1.8
$\times 2.4$
$\times 3.1$

- 4.2
Q. 10 Study the following graph and answer the question based on the graph.


What percentage of the total number of teachers are aged less than 45 years?
Ans
-1. $80 \%$
<2. $30 \%$
Х $3.60 \%$
X4. 8\%
Q. $112 \mathrm{x}-3 \mathrm{y}$ is a factor of:

Ans 1. $4 x^{2}+2 x-3 y+9 y^{2}-12 x y$
X2. $8 x^{3}+27 y^{3}$
X 3. $4 x^{2}+9 y^{2}+12 x y$
X4. $4 x^{2}+2 x-3 y+36 y^{2}+12 x y$
Q. 12 A and B separately can build a wall in 12 and 16 days, respectively. If they work for 1 day alternatively, starting with A, in how many days will the wall be built?

Ans
X 1. $7 \frac{2}{3}$ days
$\times 2.12 \frac{2}{3}$ days
-3. $13 \frac{2}{3}$ days
X4. $6 \frac{3}{4}$ days
Q. 13 The angles of a triangle are in the ratio of $3: 4: 8$. The triangle is:

Ans
$X 1$. acute angled
$X 2$ isosceles

- 3. obtuse angled
$X 4$ right angled
Q. 14 The volume of the water in two tanks, $A$ and $B$, is in the ratio of $6: 5$. The volume of water in $\operatorname{tank} A$ is increased by $30 \%$. By what percentage should the volume of water in tank B be increased so that both the tanks have the same volume of water?
Ans

1. $56 \%$

X2. $18 \%$
X 3. 15\%
X 4. $30 \%$
Q. 15 The value of $\sin 20^{\circ} \cos 70^{\circ}+\sin 70^{\circ} \cos 20^{\circ}$ is:

Ans
-1. 1
X2. $\frac{1}{\sqrt{2}}$
$\times 3.0$
$\times 4.2$
Q. 16 What number must be added to each of the numbers $8,13,26$ and 40 so that the numbers obtained in this order are in proportion?
Ans
-1. 2
$\times 2.3$
$\times 3.1$
$\times 4.4$
Q. 17 The volume of a tank is 72 cubic metres. Water is poured into it at the rate of 60 litres per minute. How much time will it take to fill the tank?

Ans
X 1.6 hours
ป 2. 20 hours
$X 3.12$ hours
$\times 4.10$ hours
Q. 18 In the given figure, $P Q R S$ is a cyclic quadrilateral. What is the measure of the angle $P Q R$ if $P Q$ is parallel to $S R$ ?


Ans
X1. $70^{\circ}$

- 2. $110^{\circ}$
$\times 3.80^{\circ}$
$\times 4.100^{\circ}$
Q. 19 A player has a certain average for 15 innings. In the $16^{\text {th }}$ inning he scores 120 , thereby his average increases by 6 runs. What is the new average?

Ans
X 1.20
$\times 2.8$

- 3. 30
$\times 4.24$
Q. 20 If $\tan 4 \mathrm{~A}=\cot \left(\mathrm{A}-20^{\circ}\right), 0^{\circ}<\theta<90^{\circ}$, then the value of A is:

Ans
-1. $22^{\circ}$
X2. $80^{\circ}$
$\times 3.5^{\circ}$
$\times 4.14^{\circ}$
Q. 21 In a circle of radius $10 \mathrm{~cm}, \mathrm{PQ}$ and RS are two parallel chords of lengths 16 cm and 12 cm , respectively. What is the distance between the chords if they are on opposite sides of the centre?

Ans
X1. 6 cm
$\times 2.8 \mathrm{~cm}$

- 3.14 cm

X4. 2 cm
Q. 22 The area of a square park is $16 x^{2}+8 x+1$. What is the length of the park?

Ans
$X 1 .(4 x-1)$ units

- 2. $(4 x+1)$ units
$X$ 3. $(4 x+1)^{2}$ units
X4. $4 x$ units
Q. 23 Two trains start at same time from stations $A$ and $B, 1800 \mathrm{~km}$ apart, and proceed towards each other at an average speed of $44 \mathrm{~km} / \mathrm{h}$ and $46 \mathrm{~km} / \mathrm{h}$, respectively. Where will the trains meet?

Ans
X 1. 920 km from station A
X 2. 900 km from station B

- 3. 880 km from station A

X 4. 880 km from station B
Q. 24 Study the following graph and answer the question based on the graph.


What was the percentage decline in the production from Friday to Saturday?
Ans
Х1. $66 \frac{2}{3} \%$
X2. $10 \%$
×3. $20 \%$
4. $40 \%$
Q. 25 ( $\mathrm{ax}+\mathrm{by}$ ) is a factor of:

Ans
$X 1 \cdot a^{2} x^{2}+2 a b-b^{2} y^{2}$

- 2. $a^{2} x^{2}+2 a b x y+b^{2} y^{2}$

X 3. $a^{2} x^{3}+2 a b x+b^{2} y^{2} x$
X 4. $a^{2} x^{2}+2 a b+b^{2} y^{2}$

Section : General Awareness
Q. 1 Which Indian cricketer has scored the most number of runs in a single World Cup?

Ans
1 1. Kapil Dev
2. Rohit Sharma
(3. Rahul Dravid
4. Sachin Tendulkar

## Q. 2 Who wrote 'Humayun Nama'?

Ans >1.Akbar
> 2. Babur
<3. Humayun

- 4. Gulbadan Begum


## Q. 3 Which of the following symbols must be used before a formula in a Microsoft Excel sheet?

Ans 1.=
X2.\&
入3.\$
X4.@

## Q. 4 How many Indian bowlers have taken a hat-trick in International test cricket?

Ans


X ${ }^{2}$. Two
X3. One

- 4. Three
Q. 5 The moon is an example of a $\qquad$ object.
Ans

1. transparent
2. translucent

X 3.luminous4. non-luminous
Q. 6 When was the PIN Code (Postal Index Code) introduced in India?

Ans
<1. 1949
<2. 1969

- 3.1972
<4. 1963
Q. 7 Which of the following oil companies started an LPG bottling plant in Balangir district of Odisha in December 2019?
Ans
Х 1. Hindustan Petroleum Corporation Limited
- 2. Bharat Petroleum Corporation Limited

3. Reliance Industries Limited

Х 4. Indian Oil Corporation Limited
Q. 8 Which article in the Constitution of India empowers the President of India to promulgate ordinances when the Parliament is in recess?

Ans
1 1. Article 2322. Article 312

- 3. Article 123

X 4. Article 213
Q. 9 As of February 2020, who is the Governor of Goa?

Ans 1. Satyapal Malik
Х 2. Pramod Sawant
X 3. Bhagat Singh Koshyari
X 4. Shripad Yesso Naik
Q. 10 In which of the following cities was the 'India International Science Festival (IISF)' held in November 2019?
Ans
X1. Bengaluru

- 2. Kolkata

X 3. New Delhi
4. Thiruvananthapuram
Q. 11 'Income and employment theory' is the other name for which branch of Economics?

Ans

1. International economics

Х 2. Public finance
3. Microeconomics
4. Macroeconomics
Q. 12 According to a report released by Greenpeace in Aug, 2019, India is the highest emitter of which of the following pollutants (gases)?
Ans

1. Carbon Monoxide

- 2. Sulphur dioxide

X 3. Ammonia
4. Nitrogen dioxide
Q. 13 The solar tracking (moving in the sun's direction) of the sunflower is called $\qquad$ .
Ans
Х 1. Phototropism
2. Thigmotropism

- 3. Heliotropism

X 4. Hydrotropism
Q. 14 What is the full form of BASIC in context of the BASIC computer language?

Ans

1. Beginner's All-purpose Symbolic Input Code

X 2. Beginner's All-purpose Systematic Instruction Code
X 3. Beginner's All-purpose Symbolic Input-output Code
4. Beginner's All-purpose Symbolic Instruction Code
Q. 15 Who is the author of the book 'Bridgital Nation - Solving Technology's People Problem'?

Ans
入 1. Nandan Nilekani
2. Ratan Tata
3. N Chandrasekaran

X 4. Narayanamurthy
Q. 16 Slate is a type of $\qquad$ rock.

Ans

- 1. metamorphic

2 2. sedimentary
3.igneous

X4.volcanic
Q. 17 Who among the following is/was a famous Tabla player?

Ans
Х1.TN Krishnan2. Bhimsen Joshi
3. Alla Rakha

X 4. Hariprasad Chaurasia
Q. 18 How many fundamental duties are set out in Part IV A (Article 51A) of the Constitution of India?
Ans
<1.9

- 2.11
< 3.10
< 4.12
Q. 19 The process that moves, elevates or builds up portions of the earth's crust is called:

Ans
Х 1. denudation
Х 2. volcanism
< 3. weathering

- 4. diastrophism
Q. 20 Who is the author of 'Malavikagnimitram'?

Ans
2. Kautilya
73. Vyasa
< 4. Vagbhata
Q. 21 Who is the only Indian to be nominated for the 'IWGA Athlete of the Year 2019'?

Ans
X 1. Mithali Singh
(2. Amiya Kumar Mallick

- 3. Rani Rampal

4. Virat Kohli
Q. 22 Translated into English, the motto of the Indian National Army (INA) was $\qquad$ _.
Ans
< 1. Do or Die
< 2. Unity and Discipline
5. Service before self

- 4. Unity, Faith, Sacrifice


## Q. 23 Deficiency of thiamine results in

$\qquad$ .

Ans

1. Rickets

Х 2. Pellagra
-3. Beriberi
X 4 . Scurvy

## Q. 24 River Sutlej enters India through which pass?

Ans

- 1. Shipki la

入2. Lipulekh
X 3. Zojila
(4. Nathula
Q. 25 'Matki' is a popular folk dance of which of the following states?

Ans

- 1. Madhya Pradesh

X 2. Assam
3. Rajasthan

入4. Bihar

## Combined Higher Secondary Level Examination 2019 Tier I

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | 16/10/2020 |
| Exam Time | 4:00 PM - 5:00 PM |
| Subject | CHSL Tier 1 |

## Section : English Language (Basic Knowledge)

Q. 1 Select the correct passive form of the given sentence.

My mother is watching a new serial about the life of Dr. Ambedkar.
Ans

1. A new serial about the life of Dr. Ambedkar is being watched by my mother.
2. A new serial about the life of Dr. Ambedkar was being watched by my mother.
3. A new serial about the life of Dr. Ambedkar is watched by my mother.
4. A new serial about the life of Dr. Ambedkar will be watched by my mother.
Q. 2 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

The new product will be arrive on supermarket shelves only next year.
Ans
Х 1. No improvement
2. will arrived on
-3. will arrive on
(4. will arriving on
Q. 3 Select the correct indirect form of the given sentence.

Rama said to me, "I need your help for my new assignment."
Ans

1. Rama says that she needs my help for the new assignment.
2. Rama said to me I need your help for my new assignment.
3. Rama said that she was needing my help for her new assignment.
4. Rama told me that she needed my help for her new assignment.
Q. 4 Select the word which means the same as the group of words given.

An imagined society where everything is perfect and everyone is happy
Ans
Х 1. Responsible
Х 2. Hypocrite

- 3. Utopia

4. Evangelist

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Recently, I visited an orphanage for differently abled (1) $\qquad$ in Delhi. The courteous staff (2) me feel at home and allowed me to interact (3) $\qquad$ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4) $\qquad$ the children, who were in the age group of five to 13 . The children were a cheerful lot, the smiles on (5) $\qquad$ faces reflecting the joy within on receiving gifts.

SubQuestion No: 5
Q. 5 Select the most appropriate option for blank number 1.

Ans 1. children
X 2. child's
> 3. child
(4. children's

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Recently, I visited an orphanage for differently abled (1) $\qquad$ in Delhi. The courteous staff (2) me feel at home and allowed me to interact (3) $\qquad$ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4) $\qquad$ the children, who were in the age group of five to 13. The children were a
cheerful lot, the smiles on (5) $\qquad$ faces reflecting the joy within on receiving gifts.

SubQuestion No: 6
Q. 6 Select the most appropriate option for blank number 2.

Ans

- 1 . made

2. make

X 3.makes
(4. was made

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Recently, I visited an orphanage for differently abled (1) $\qquad$ in Delhi. The courteous staff (2) $\qquad$ me feel at home and allowed me to interact (3) $\qquad$ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4) $\qquad$ the children, who were in the age group of five to 13 . The children were a
cheerful lot, the smiles on (5) $\qquad$ faces reflecting the joy within on receiving gifts.

SubQuestion No: 7
Q. 7 Select the most appropriate option for blank number 3.

Ans

1. freely
2. truly
3. heartily
4. clearly

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Recently, I visited an orphanage for differently abled (1) $\qquad$ in Delhi. The courteous staff
(2) me feel at home and allowed me to interact (3) $\qquad$ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4) $\qquad$ the children, who were in the age group of five to 13 . The children were a
cheerful lot, the smiles on (5) $\qquad$ faces reflecting the joy within on receiving gifts.

SubQuestion No : 8
Q. 8 Select the most appropriate option for blank number 4.

Ans $\square$
< ${ }^{2}$. with
>3.by
>4. of

## Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Recently, I visited an orphanage for differently abled (1) $\qquad$ in Delhi. The courteous staff (2) me feel at home and allowed me to interact (3) $\qquad$ with the children. I was told beforehand that I could carry food packets and items of daily use like stationery, blankets, and clothes (4) $\qquad$ the children, who were in the age group of five to 13 . The children were a
cheerful lot, the smiles on (5) $\qquad$ faces reflecting the joy within on receiving gifts.

SubQuestion No: 9
Q. 9 Select the most appropriate option for blank number 5.

Ans
<1.that
(2. those
(3.them4. their
Q. 10 Select the most appropriate meaning of the given idiom.

Get something off your chest
Ans

1. Remove something from you as it is troubling you a lot

X 2. Have difficulty in doing something that is quite easy

- 3. Express something that has been worrying you, and you want to say

4. Tell people some good news that you know and you want to share

## Q. 11 Select the INCORRECTLY spelt word.

Ans
(1. Alligator

- 2. Privilage

X 3. Alimony
X 4. Judicious
Q. 12 Select the word which means the same as the group of words given.

Incapable of making mistakes
Ans

1. Ineligible
(2. Negligible

X 3. Inevitable
4. Infallible
Q. 13 Select the most appropriate synonym of the given word.

IDLENESS
Ans

1. Energy

X 2. Industry

- 3. Lethargy

4. Cheerfulness
Q. 14 Select the INCORRECTLY spelt word.

Ans

- 1. Changable
< 2. Mileage

3. Arrangement

X4. Practice
Q. 15 Select the most appropriate synonym of the given word.

REPROACH
Ans
Х 1. Indulge
< ${ }^{2}$. Train
3. Supervise4. Berate
Q. 16 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Einstein had a deep distaste for enforced learning, and was known to skip many of his college lectures.
B. Einstein was also severely critical of the exam-based education system.
C. The great physicist Galileo too said, "You cannot teach anybody anything. You can only help them discover it within themselves."
D. He often felt that formal education interfered with his natural desire to learn and explore.

Ans
Х1. DABC

- 2. $\operatorname{ADBC}$

X 3. CABD
Х4. ACDB
Q. 17 In the given sentence, identify the segment which contains a grammatical error.

I think Virat Kohli will remain the captain of the Indian team in a year 2020.
Ans

1. of the Indian team
2. in a year 2020
3. will remain
4. the captain
Q. 18 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.
A. Soon, the idea took its final shape and she started selling barfis under the brand name Harbhajan's and the tagline "You'll remember your childhood".
B. That's when Raveena suggested that she should start selling her signature 'Besan ki Barfi'.
C. Today Harbhajan Kaur is truly living by these words as she now sells tasty barfi and makes good money.
D. It all started in 2016, when 94 year old Harbhajan's daughter asked her if she had any regrets in life, to which she expressed that she never earned a penny for herself.
Ans
X 2. CBAD
Х 3 . DCAB
>4. BCDA
Q. 19 Select the most appropriate word to fill in the blank.

Parents who are very $\qquad$ later repent giving their children too much freedom.

Ans
<1. strict
(2. different

毋 3. overbearing
4. permissive
Q. 20 Select the most appropriate ANTONYM of the given word.

SPIRITUAL
Ans
<1. Righteous

- 2. Physical
( 3. Ghostly
<4. Pious
Q. 21 Select the most appropriate word to fill in the blank.

It is said that children who learn to use their body, mind and emotions for their own wellbeing, work $\qquad$ the wellbeing of others.
Ans
\$1. within
$>2$ into
X 3.forwards
4. towards
Q. 22 Select the most appropriate ANTONYM of the given word.

TESTIMONY
Ans
(1. Approval
(2. Difficulty
(3. Witness
4. Disproof
Q. 23 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No improvement'.

After walking a few steps in the forest, our guide sensing some sort of movement in the foliage behind us.

Ans
Х 1. had been senses

- 2. sensed

7 3. No improvement
< 4. was sensed
Q. 24 Select the most appropriate meaning of the given idiom.

Plain as day
Ans

1. Very simple and easy to do

Х 2. Visible only in broad daylight

- 3. Very obvious and easy to understand

4. Very interesting to know
Q. 25 In the given sentence, identify the segment which contains a grammatical error.

We can see much changes in Government schools these days.
Ans

1. in Government schools
2. We can see

- 3. much changes

4 4. these days

Section: General Intelligence
Q. 1 Select the number that can replace the question mark (?) in the following series.
$5,3,3,5,15, ?$
Ans
<1. 45
X2. 39
-3. 69
<4. 59
Q. 2 Which two numbers should be interchanged in the following equation to make it correct?
$6+28 \div 4-2 \times 17=12$
Ans
$X 1.28$ and 2
$X 2.6$ and 4

- 3.17 and 6

X 4.17 and 4
Q. 3 Select the word-pair in which the two words are related in the same way as are the two words in the following word-
pair.
Coach : Player
Ans
$X$ 1. Captain: Team

- 2. Teacher: Student
$X$ 3. Umpire : Cricket
$X$ 4. Team : Practice
Q. 4 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans

1. WXYZ
$X$ 2. LMNO
$X$ 3. ABCD
X4. IJKL
Q. 5 Select the option in which the given figure is embedded. (Rotation is not allowed)


Ans
$\times 1 . \square$
$\times 2$.

$\checkmark 3$.

$\times 4$.

Q. 6 Select the combination of letters that when sequentially placed in the blanks of the given letter series will complete the series.

Ans
X 1. abceacdeabcacde
Х 2. aacdebceaabccde
3. aacdebceacdeabc

X 4. aacdebceabceacd
Q. 7 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

## Statements:

1. Some bananas are green.
2. Some green are yellow.

## Conclusions:

I. Some bananas are yellow.
II. Some yellow are bananas.
III. All yellow are bananas.
IV. Some green are bananas.

Ans
$X$ 1. Only conclusions I and IV follow.
X 2. Only conclusions II and IV follow.

- 3. Only conclusion IV follows.

X 4. Only conclusions I, II and IV follow.
Q. 8 Select the option figure that will come next in the following series.


Ans

$\times 3$.

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


Ans
X 1.11
$\times 2.10$

- 3. 12

X 4.13
Q. 10 If the following figure is folded to form a cube, then which number will be on the face opposite to the face having number '1'?


Ans
X1. 5
$\times 2.4$

- 3.6
$\times 4.1$
Q. 11 In a certain code language, SCIENCE is written as TFNLWNR. How will ARTS be written in that language?

Ans
X 1. BTYZ
$X$ 2. TSRA
$X$ 3. BTYA

- 4. BUYZ
Q. 12 'Tree' is related to 'Mango in the same way as 'Vine' is related to ' $\qquad$ '.

Ans
X 1 . Guava
X 2. Banana
$X$ 3. Orange

- 4. Grape
Q. 13 Select the set in which the numbers are related in the same way as are the numbers of the following set.
$(2,6,42)$
Ans
X $1 .(9,13,43)$
- 2. $(1,2,6)$

X 3. $(4,12,86)$
X4. $(4,8,39)$
Q. 14 Four numbers have been given, out of which three are alike in some manner and one is different. Select the one that is different.
Ans
X1. 393
$\times 2.441$

- 3.384
$\times 4.600$
Q. 15 Study the following diagram.



## Persons having a car

Persons having a motorcycle
$\bigwedge$ Persons having a bicycle

How many persons have only motorcycle?
Ans
-1. 12
$\times 2.32$
$\times 3.9$
$\times 4.3$
Q. 16 Arrange the following words in a logical and meaningful order.

1. Letter
2. Postman
3. Delivery
4. Post Box
5. Post Office

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

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

X 3. 3,2,1,5,4
X 4. 5,4,3,1,2
Q. 17 Which of the following options is the correct mirror image of the given figure?


Ans

Q. 18 Between the siblings A and B , one is a brother and the other a sister. B is the son of $\mathrm{X} . \mathrm{X}$ is Y 's husband and O 's brother. How is A related to O?
Ans
(1. Cousin
< 2. Nephew
X 3. Granddaughter

- 4. Niece
Q. 19 Select the set in which the numbers are related in the same way as are the numbers of the following set.
$(10,50,1250)$
Ans
X $1 .(2,10,125)$
- 2. $(4,8,32)$

X 3. $(9,45,945)$
X4. $(4,20,300)$
Q. 20 Select the option that is related to the third number in the same way as the second number is related to the first number.
$9: 72:: 5$ : ?
Ans
X 1.39
X2. 25

- 3. 20
$\times 4.35$
Q. 21 The sequence of folding a paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?


Ans

> 3


34

Q. 22 Aman has an equal number of one, five, ten and twenty rupee bank notes, to make a total of ₹ 1,080 . How many bank notes does Aman have in total?

Ans
X 1.100

- 2. 120

X 3.105
$\times 4.90$
Q. 23 Select the letter-cluster that can replace the question mark (?) in the following series.

IHUW : HFRS :: LMQT : ?
Ans
X 1. LKPN

- 2. KKNP
$X$ 3. LMNO
X4. LNMK
Q. 24 In a certain code language, SKILL is coded as 57 and LOVE is coded as 40 .How will LIE be coded as in that language?

Ans
<1. 22
X2. 20
$\times 3.26$

- 4.17
Q. 25 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BLISS : STNLF:: STOP: $\qquad$
Ans
X 1. BLSQ
X 2. TQST
X 3. TTSQ

- 4. TTRR

Section : Quantitative Aptitude(Basic Arithmetic Skill)
Q. 1 In a set of three numbers, the average of the first two numbers is 7, the average of the last two numbers is 10 , and the average of the first and the last numbers is 14 . What is the average of the three numbers?

Ans
X $1.25 / 4$
X 2. 37/3
X 3. 29/4

- 4. $31 / 3$
Q. 2 What is the area of an equilateral triangle of side $4 \sqrt{3} \mathrm{~cm}$ ?

Ans
X $1.15 \sqrt{3} \mathrm{~cm}^{2}$
X2. $16 \sqrt{3} \mathrm{~cm}^{2}$
X3. $20 \sqrt{3} \mathrm{~cm}^{2}$

- 4. $12 \sqrt{3} \mathrm{~cm}^{2}$

Status : Answered
Q. 3 If a positive integer ' $n$ ' is divisible by 3,5 and 7, then what is the next larger integer divisible by all these numbers?

Ans
X $1 . n+21$
X2. $\mathrm{n}+35$

- 3. $\mathrm{n}+105$

X4. $n+110$
Q. 4 At which rate of simple interest does an amount become double in 12 years?

Ans
$\times 1.7 \frac{4}{5} \%$
X2. $8 \%$

- 3. $8 \frac{1}{3} \%$

X4. $7 \frac{1}{2} \%$
Q. 5 The following bar graph shows the number of students (in hundreds) who have opted for different courses A, B, C and D in 3 years in a college. Study the graph and answer the question.


In the year 2007, the average number of students across the four courses is (in hundreds):
Ans
<1. 2.7
$\times 2.1 .5$
X3. 2.2
4. 2.5
Q. 6 The following graph below shows the number of students (in thousands) who were admitted to three different courses in 5 years in a university. Study the graph and answer the question.


What is the ratio of the number of students who were admitted to course A in the year 2007 to that of students who were admitted to course C in the year 2009?
Ans

$\times 2 . \frac{21}{20}$
$\times$ 3. $\frac{23}{20}$
-4. $\frac{19}{20}$
Q. 7 The following graph shows the number of students (in hundreds) in three different courses in four different institutes.

Study the graph and answer the question.


What is the total number of students (in hundreds) in M.Sc. course across all institutes?
Ans
X 1.11 .5

- 2. 11.9
$\times 3.10 .5$
$\times 4.10 .8$
Q. 8 Study the graph and answer the question that follows.


What is the ratio of enrolment during 1995-1996 to the enrolment during 1998-1999?
Ans
-1. $1: 2$
X2.1:3
X 3. 2:1
X4.3:1
Q. 9 What is the value of
$(9+3-16 \div 4+10)+\{(3+5 \times 2 \div 10)\} \times(18-4$ of 5$) ?$
Ans
X 1.15

- 2. 10
$\times 3.5$
$\times 4.8$
Q. 10 If $a: b=3: \sqrt{5}$, then the value of $(2 a+b):(3 a-2 b)$ is:

Ans

$$
\begin{aligned}
& \text { X 1. } \frac{1}{64}(64+21 \sqrt{5}) \\
& \times \text { 2. } \frac{1}{62}(64+21 \sqrt{5}) \\
& \text { X 3. } \frac{1}{63}(64+21 \sqrt{5}) \\
& \text { 4. } \frac{1}{61}(64+21 \sqrt{5})
\end{aligned}
$$

Q. 11 If two concentric circles are of radii 13 cm and 12 cm , respectively, then the length of the chord of the larger circle which touches the smaller circle is:
Ans
X 1.35 cm

- 2. 10 cm
$\times 3.15 \mathrm{~cm}$
X4. 25 cm
Q. 12 A person walks a distance from point $A$ to $B$ at $15 \mathrm{~km} / \mathrm{h}$, and from point $B$ to $A$ at $30 \mathrm{~km} / \mathrm{h}$. If he takes 3 hours to complete the journey, then what is the distance from point A to B ?

Ans
X 1.25 km
X 2. 10 km
X 3.15 km
4. 30 km
Q. 13 The radius of a circle is 15 cm and the length of one chord of the circle is 20 cm . What is the distance of the chord from the centre of the circle?
Ans

1. $5 \sqrt{5} \mathrm{~cm}$

X $2.5 \sqrt{3} \mathrm{~cm}$
Х3. $5 \sqrt{2} \mathrm{~cm}$
$\times 4.3 \sqrt{3} \mathrm{~cm}$
Q. 14 In the given figure, if $P Q=13 \mathrm{~cm}$ and $P R=12 \mathrm{~cm}$, then the value of $\sin \theta+\tan \theta=$ ?


Ans
$\times 1 . \frac{213}{5}$
$\times 2 . \frac{218}{5}$
X 3. $\frac{216}{13}$

- 4. $\frac{216}{65}$
Q. 15 What is the value of $\cot 35^{\circ} \cot 40^{\circ} \cot 45^{\circ} \cot 50^{\circ} \cot 55^{\circ}$ ?

Ans
X $1 .-1$
$\times 2.2$
-3. 1
$\times 4.0$
Q. 16 If $x+y=4$ and $x^{3}+y^{3}=12$, then the value of $x^{4}+y^{4}=$ ?

Ans

$$
\begin{array}{r}
1 . \frac{146}{9} \\
\times 2 \frac{146}{3} \\
\times 3 . \frac{146}{7} \\
\times 4 \frac{146}{5}
\end{array}
$$

Q. 17 The ratio of three angles of a triangle is $1: 3: 5$. Which is the measure of the greatest angle?

Ans

- 1. $100^{\circ}$
$\times 2.80^{\circ}$
$\times 3.60^{\circ}$
$\times 4.120^{\circ}$
Q. 18 The cost price of 33 books is the same as the selling price of ' $x$ ' books. If the profit is $10 \%$, then the value of ' $x$ ' is :

Ans
-1. 30
X2. 20
$\times 3.10$
$\times 4.40$
Q. 19 The value of $x$, if $2 \sin ^{2} x=2-3 \sin x$, is:

Ans
-1. $\frac{\pi}{6}$
X2. $\frac{\pi}{4}$
X 3. $\frac{\pi}{2}$
X4. $\frac{\pi}{3}$
Q. 20 If $x-y=13$ and $x y=25$, then the value of $x^{2}-y^{2}=$ ?

Ans 1. $13 \sqrt{269}$
$\times 2.13 \sqrt{210}$
X 3. $13 \sqrt{229}$
X4. $13 \sqrt{240}$
Q. 21 In a $15 \%$ discount sale, the cost of a book is $₹ 2,150$. What was the original price of the book? (Correct to two decimal places)

Ans

- 1. ₹ $2,529.41$

X2. ₹ $2,500.00$
X 3. ₹ $1,527.00$
X4. ₹ $2,250.50$
Q. 22 What will be the area of a circle whose radius is $\sqrt{5} \mathrm{~cm}$ ?

Ans
X $1.3 \pi \mathrm{~cm}^{2}$
X 2. $\pi \mathrm{cm}^{2}$
X $3.2 \pi \mathrm{~cm}^{2}$

- 4. $5 \pi \mathrm{~cm}^{2}$
Q. 23 The distance covered by a train in $(x+1)$ hours is $\left(x^{3}+1\right) \mathrm{km}$. What is the speed of the train?

Ans
X 1. $\left(x^{3}-1\right) \mathrm{km} / \mathrm{h}$

- 2. $\left(x^{2}-x+1\right) \mathrm{km} / \mathrm{h}$

X 3. $\left(x^{2}+x+1\right) \mathrm{km} / \mathrm{h}$
X 4. $(x+1) \mathrm{km} / \mathrm{h}$
Q. 24 If the numerator of a fraction is increased by $15 \%$ and denominator is decreased by $20 \%$, then the fraction, so obtained, is $\frac{17}{65}$. What is the original fraction?

Ans
X 1. $\frac{281}{1495}$
X2. $\frac{278}{1495}$
X 3. $\frac{267}{1495}$

- 4. $\frac{272}{1495}$
Q. 25 A alone can complete a task in 3 days and $B$ alone can complete the same task in 6 days. In how many days can A and B complete it together?

Ans
X1. 6
>2. 1
Х3.3

- 4. 2

Section : General Awareness
Q. 1 The capital of which empire was NOT in south India?

Ans

- 1. Pala

X 2. chola
X 3. chera
<4. Pallava
Q. 2 Which application was launched by Reserve Bank of India in January 2020 to help visually challenged people identify new currency notes?
Ans
X 1. oltas

- 2. MANI

X 3 . DRI
X 4. neft

## Q. 3 Who was India's first Chief of Defence Staff?

Ans

- 1. General Bipin Rawat

2. General Arjan Singh
3. General Vijay Kumar Singh

Х 4. General Manoj Mukund Naravane
Q. 4 Which of the following is a popular dance form of Lakshadweep island?

Ans
(1. Kuchipudi
<2. Koli
(3. Kathak

- 4. Kolkali
Q. 5 Who is the author of the book 'Reset: Regaining India's Economic Legacy'?

Ans
(1. Suketu Mehta
(2. Abhijeet Banerjee

- 3. Subramanian Swamy
<4. Raghuram Rajan


## Q. 6 'Leukopenia' is an abnormal

$\qquad$ -.
Ans
(1. increase in red blood cells2. decrease in white blood cells

Х 3. decrease in red blood cells
4. increase in white blood cells
Q. 7 Which stadium was renamed as Arun Jaitley Stadium in 2019?

Ans

- 1. Feroz Shah Kotla Ground
(2. Green Park
< 3. Eden Gardens
(4. Wankhede Stadium
Q. 8 India got its first 3D Smart Traffic Signal System in August 2019. This system was designed by students of $\qquad$ —.
Ans

2. I.K. Gujral Punjab Technical University
3. IISC-Bangalore
(4. IIT-Mumbai
Q. 9 स्वपोषी (ऑटोट्रॉफ़िक) जीवों की कार्बन और ऊर्जा संबंधी आवश्यकताएँ $\qquad$ की प्रक्रिया द्वारा पूरी होती हैं।

Ans

1. प्रकाशस्वपोषी (फ़ोटोऑटोट्रॉफ्स)
2. प्रकाश संश्लेषण (फ़ोटोसिंथेसिस)
3. शीत निष्क्रियता (हाइबरनेशन)
4. जैव संश्लेषण (बायोसिंथेसिस)
Q. $101^{\circ}$ latitude is equal to approximately $\qquad$ km.

Ans


X 2.145
× 3.133
< 4.122
Q. 11 Which of the following is NOT a central economic problem, solved by the Production Possibility Curve (PPC)?
Ans

1. Full utilisation of resources

- 2. Sustainable consumption
< 3. Economic efficiency
(4. Economic growth
Q. 12 As per the eighth Schedule of the Constitution of India, how many languages are referred to as scheduled languages?

Ans2. 203. 22
4. 18
Q. 13 Third generation computers used:

Ans
< 1. vacuum tubes

- 2. integrated circuits

3. Transistors
(4. VLSI technique
Q. 14 Which of the following plates has the slowest rate of movement at less than $2.5 \mathrm{~cm} /$ year?

Ans

- 1. Arctic Ridge

2. North American Plate
3. Mid-Atlantic Ridge
< 4. East Pacific Rise
Q. 15 Through which of the following states does the Tropic of Cancer run?

Ans
(1. Assam
$\checkmark 2$
2. Mizoram
< 3. Nagaland
(4. Manipur
Q. $16 \ldots$ कंप्यूटर नेटवर्क में केंद्रीय सर्वर है, जो संबद्ध उपयोगकर्ताओं को सर्वर की भंडारण क्षमता का उपागम करने देता है।

Ans

1. एप्लिकेशन सर्वर
2. फ़ाइल सर्वर
3. प्रिंट सर्वर
4. वेब सर्वर
Q. 17 India's 'National Sports Day' coincides with the birthday of which sportsperson?

Ans

1. Milkha Singh
2. Syed Abdul Rahim

X 3. Kapil Dev
4. Dhyan Chand
Q. 18 The fifth incarnation of Vishnu is known as:

Ans
X 1. Varaha
(2. Krishna

- 3. Vamana

X4. Narasimha
Q. 19 'Piklihal' and 'Utnur' are important $\qquad$ sites.
Ans
Х1. Monolithic
Х 2. Paleolithic
Х 3. Megalithic

- 4. Neolithic
Q. 20 Which of the following statements is NOT correct about Rajya Sabha?

Ans

1. It has powers that protect the rights of states against the union.
$\checkmark 2$
2. It can amend a money bill.

X
3. Twelve of its members are nominated by the President.
4. It is the upper house of the Parliament of India.
Q. 21 भूमि का वह भाग जो लगभग चारों ओर से पानी से घिरा होता है लेकिन एक ओर से मुख्य भूमि से जुड़ा होता है, _ कहलाता है।

Ans

1. जलडमरूमध्य (Strait)
< 2. द्वीप (Island)
2. थलसंधि (Isthmus)
3. प्रायद्वीप (Peninsula)
Q. 22 Who among the following won the 'JCB Prize for Literature 2019'?

Ans

- 1. Madhuri Vijay
(2. Manu S Pillai
( 3. Shanta Gokhale
Х 4. Akkitham Achuthan Namboothiri
Q. 23 Who among the following was dropped from the All India Council of Sports (AICS) in January 2020 for not being "active" enough?
Ans $\qquad$
X 2. Pullela Gopichand

3. Harbajan Singh

Х4.K Srikkanth

## Q. 24 Pineapple is a ___ plant

Ans
Х 1. Hydrophyte
Х 2. Mesophyte

- 3. Xerophyte
(4. Hygrophyte


## Q. 25 Who was the youngest Member of Parliament to be elected in 2019?

Ans
X 1. Tejasvi Surya

- 2. Chandrani Murmu

X 3. Nusrat Jahan
X 4. Mimi Chakraborty

