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| Exam Date | 02/08/2022 |
| Exam Time | 9:00 AM - 10:00 AM |
| Subject | Selection Post Phase X Matriculation Level |

## Section : General Intelligence

Q. 1 Which of the following numbers will replace the question mark (?) in the given series? 16, 18, 24, 36, ?, 86
Ans $\times 1.76$

- 2.56
$\times 3.46$
$\times 4.66$
Q. 2 In a certain code language, 'PEOPLE' is written as ' 5 ' and 'ACADEMIC' is written as ' 7 '. How will 'PRESIDENT' be written in that language?
Ans
$\times 1.7$
X2.9
$\times 3.6$
- 4.8
Q. 3 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row: 61, 21, 185
Second row: 43, 26, 164
Third row: 39, 16, ?
(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 1.156
X2. 144
$\times 3.123$
- 4.126
Q. 4 Which of the given letter-clusters will replace the question mark (?) in the following series?
CEYS, EIAV, GMCY, ?, KUGE
Ans
X1. IRGB
X 2. JRGB
X 3. JQEB
- 4. IQEB
Q. 5 Two statements are given, followed by two conclusions numbered I and II. 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 games are toys.
All blocks are games.
Conclusions:
I. Some blocks are toys.
II. All blocks are toys.

Ans 1. Neither conclusion I nor II follows
X 2. Both conclusions I and II follow
X 3. Only conclusion I follows
X 4. Only conclusion II follows
Q. 6 Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter-series.
PO__Y__IUY_OI_YPO_U_
Ans
X 1. IOPUPUIY
X 2. IOPUPOIY
2. IUPOPUIY

X 4. UIPOPUIY
Q. 7 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
FEUDALS : DUEFSLA :: FREIGHT : IERFTHG :: QUARTER : ?
Ans
X 1. RUAQRET
X 2. RAUQERT
3. RACQUET
4. RAUQRET
Q. 8 Which letter cluster will replace the question mark (?) to complete the given series?

CURE, EXUG, ?, IDAK, KGDM
Ans
X 1. HMTR
2. GAXI

X 3. HCYJ
X4. HAXI
Q. 9 Select the option figure in which the given figure $(\mathrm{X})$ is embedded as its part (rotation is NOT allowed).

(X)

Ans

Q. 10 In a code language, 'MOBILE' is written as ‘ $8 \$ 2 \%$ £ ${ }^{\prime}$ ', ‘DRAPE' is written as ‘ $9 \#+$ ■ @' and 'CRUEL' is written as ' $6 \# 3 @ £$ '. How will 'CRAMP' be written in that language?
Ans
$6 \#+8$
x2.93@8.
3.93@\%£
x. 6\#+\%£
Q. 11 Which two signs should be interchanged to make the given equation correct?
$63-3+45 \div 15 \times 2=36$
Ans $\times 1 .+$ and $\times$

- 2.         - and $\div$
$\times 3 . \div$ and $\times$
X4. $\times$ and -
Q. 12 In a certain code language, 'NOVEL' is written as 'SSYGM', and 'MUSIC' is written as 'RYVKD'. How will 'ORDER' be written in that language?
Ans
X 1. TVGGT

2. TVGGS

X 3. TVGHT
X4.TVGHS
Q. 13 Two statements are given, followed by two conclusions numbered I and II. 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 tunes are songs.
All tunes are melodies.
Conclusions:
I. No song is a melody.
II. All songs are melodies.

Ans 1. Neither conclusion I nor II follows
X 2. Only conclusion II follows
X 3. Only conclusion I follows
X 4. Both conclusions I and II follow
Q. 14 Two statements are given, followed by two conclusions numbered I and II. 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 planks are woods.
Some woods are glasses
Conclusions:
I. Some planks are glasses.
II. All planks are glasses.

Ans
X 1 . Only conclusion II follows
X 2. Only conclusion I follows
3. Neither conclusion I nor II follows
4. Both conclusions I and II follow
Q. 15 P \& Q' means ' $P$ is the sister of $Q$ '.
' $P \% Q$ ' means ' $P$ is the brother of $Q$ '.
' $P$ \$ Q' means ' $P$ is the mother of $Q$ '.
' $P=Q$ ' means ' $P$ is the father of $Q$ '.
If $A=B \$ C \& D \% E$, then how is $D$ related to $A$ ?
Ans
X1. Son's son
X 2. Son's daughter
X 3. Daughter's daughter
4. Daughter's son
Q. 16 In a certain code language, 'ABACUS' is written as 'BCBTVD' and 'GENDER' is written as 'OFHSFE'. How will 'IMPACT' be written in that language?
Ans
X 1. QJNDBU
X 2. JBDQNU
3. QNJUDB

X4. QUNJDB
Q. 17 Select the figure that will replace the question mark (?) in the following figure series.


Ans

Q. 18 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Frame
2. Friction
3. Fraction
4. Freight
5. Fragile
6. Freedom

Ans $\times 1.3,5,1,4,6,2$

- 2. 3, 5, 1, 6, 4, 2

X 3.3,5, 6, 1, 4, 2
X4.2,3,5,1,6,4
Q. 19 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.)
Bull : Cow :: Cock : ?
Ans
X 1. Chick
X 2. Duck
X 3. Doe

- 4. Hen
Q. 20 Select the correct option that indicates the arrangement of the following words in a
logical and meaningful order.
1.Branches
2.Leaves
3.Roots
4.Stem
5.Flowers

Ans
X 1.3,4, 2, 5, 1
2. 3, 4, 1, 2, 5

X 3.2,3,5,4, 1
X4.3,1,4,2,5
Q. 21 In a code language, 'FREQUENT' is written as ' $6-18-5-17-21-5-14-20$ ' and 'DANGER' is written as '4-1-14-7-5-18'. How will 'SOLITUDE' be written in that language?
Ans
X 1. 19-15-12-9-21-20-4-5
X 2. 18-15-12-8-20-21-4-5
$\times 3.18-15-12-19-20-21-4-5$
4. 19-15-12-9-20-21-4-5
Q. 22 Pointing to a person in a photograph, a man, Naren, said, "Her daughter's son is my daughter's brother." How is the person related to Naren?
Ans
X 1. Daughter
X 2. Sister
3. Mother-in-law

X4. Wife
Q. 23 In a code language, 'BURPS' is written as 'DXVUY' and 'TARDEN' is written as 'VDVIKU'. How will 'GUARD' be written in that language?
Ans
X 1. IYFWK
X 2. JYEWK
X 3.JXFVJ
4. IXEWJ
Q. 24 In a certain code language, 'HAPPY' is written as 'JBRQA' and 'MACRO' is written as 'OBESQ'. How will 'MATES' be written in that language?
Ans
X 1 . OBVFV
2. OBVFU

X 3. OBVGU
X 4. OBWFU
Q. 25 Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
PST, MPQ, JMN, GJK, ?
Ans $\times 1$. CFG
X 2. CGH
X 3. DHG

- 4. DGH

Section : English Language
Q. 1 Select the most appropriate option to replace the underlined word in the given sentence.

She is so naïve.
Ans

1. gullible

X 2. meek
X 3. illiterate
X 4. silly
Q. 2 Select the option that expresses the given sentence in active voice.

The battery of the car has been used by the boy for his games.
Ans

1. The boy used the battery of the car for his games.
2. The boy has used the battery of the car for his games.

X 3. The boy might have used the battery of the car for his games.
X 4. The boy was using the battery of the car for his games.

## Q. 3 Select the INCORRECTLY spelt word.

Ans
X 1. Strength
X 2. Custom
2. Polution

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

Sit tight
Ans
X 1. Sit straight
X 2. Be conscious
3. Wait patiently

X 4. Walk slowly
Q. 5 Select the most appropriate option to fill in the blank.

One should $\qquad$ one's promises.
Ans $\times$ 1.take
$X$ 2. hide
3. keep

X4. give
Q. 6 Select the most appropriate synonym of the given word.

## Amaze

Ans
X1. Assure
X 2. Commit
X 3. Praise
2. Astonish
Q. 7 Parts of the given sentence have been given as options. One of them contains a spelling error. Select the option that rectifies the error.

It is important to imediately report a bullying incident to the trusted elders.
Ans
X 1 . bullying
X 2. incident

- 3. immediately

X4. trusted
Q. 8 Select the correct meaning of the idiom in bold and italics.

The scheme says nothing new; it doesn't break new ground.
Ans $\quad$ 1. To look into your own matter
2. To do something innovative

X 3. To do something that you should not be doing
4. Out of operational conditions
Q. 9 Select the most appropriate ANTONYM of the given word.

Rarely
Ans
X 1. Seldom
X 2. Every time
X 3. Sometimes
4. Frequently

Q. 10 Select the correctly spelt word to fill in the blank.

Geeta was appointed $\qquad$ of Physics in a reputed college in Pune.
Ans

1. Professor

X 2. Professur
X 3. Porfessor
$\times 4$. Profesor
Q. 11 Select the option that expresses the given sentence in direct speech.

The newsreader said that he was there for a heartfelt apology for making such a comment
Ans
$\chi$ 1. The newsreader said, "I have been here for a heartfelt apology for making such a comment."
Х 2. The newsreader said, "I was here for a heartfelt apology for making such a comment."
3. The newsreader said, "I am here for a heartfelt apology for making such a comment."

X 4. The newsreader said, "I do come here for a heartfelt apology for making such a comment."
Q. 12 Select the most appropriate option that can substitute the underlined words in the given sentence.

In the olden days, most of the groundwater was safe to drink because there was no contamination from industries or sewage.
Ans $\times 1$. vulnerable
X 2. edible
$X$ 3. useful
4. potable
Q. 13 Select the most appropriate option that can substitute the underlined segment in the given sentence.

The ability to laughter is peculiar to mankind.
Ans
X 1 ability to laughed
X 2. ability to laughable
X 3. ability to laughing
4. ability to laugh
Q. 14 Select the most appropriate option to fill in the blank.

The henna design on her hand was really $\qquad$ .
Ans
X 1. reversible
X 2. solid
X 3. compatible
4. intricate
Q. 15 Select the most appropriate ANTONYM of the given word.

## Prejudice

Ans
X 1. Preconception
X 2. Prophecy
X 3. Influence
4. Fairness

## 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.

At Ferney, Voltaire entered one of the most active (1) $\qquad$ of his life. Both patriarch and lord of the manor, he developed a modern estate, sharing in the movement of agricultural reform in which the aristocracy was interested at the time. He (2) $\qquad$ not be true to himself, however, without stirring up village feuds before the magistrates on a question of tithes, as well as about the beating of one of his workmen. He renovated the church and had Deo erexit Voltaire (3) $\qquad$ on the facade. At Easter Communion, 1762, he delivered a sermon on stealing and drunkenness and repeated this sacrilegious offence in the following year, flouting the prohibition by the bishop of Annecy, in whose jurisdiction Ferney lay. He meddled in Genevan politics, taking the side of the workers, and installed a stocking factory and watchworks on his estate in order to help them. He called for the liberation of serfs in the Jura but without success, though he did succeed in suppressing the customs barrier on the road between Gex in the Jura and Geneva, the natural outlet for the produce of Gex. Such generous interventions in local politics (4) $\qquad$ him enormous popularity. In 1777, he received a popular acclamation from the people of Ferney. In 1815, the Congress of Vienna halted the annexation of Ferney to Switzerland in his honour.
His fame was now worldwide. 'Innkeeper of Europe'-as he was called-he welcomed such literary figures as James Boswell, Giovanni Casanova, Edward Gibbon, the prince de Ligne, and the fashionable philosophers of Paris. He kept up an (5) $\qquad$ correspondence-with the philosophes, with his actresses and actors, and with those high in court circles, such as the duc de Richelieu (grandnephew of the cardinal de Richelieu), the duc de Choiseul, and Mme du Barry, Louis XV's favourite. He renewed his correspondence with Frederick II and exchanged letters with Catherine II of Russia.

SubQuestion No : 16
Q. 16 Select the most appropriate option to fill in blank number 1.

Ans
X 1. period
X 2. stretch
3. periods

X4. day


## 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.

At Ferney, Voltaire entered one of the most active (1) $\qquad$ of his life. Both patriarch and lord of the manor, he developed a modern estate, sharing in the movement of agricultural reform in which the aristocracy was interested at the time. He (2) $\qquad$ not be true to himself, however, without stirring up village feuds before the magistrates on a question of tithes, as well as about the beating of one of his workmen. He renovated the church and had Deo erexit Voltaire (3) $\qquad$ on the facade. At Easter Communion, 1762, he delivered a sermon on stealing and drunkenness and repeated this sacrilegious offence in the following year, flouting the prohibition by the bishop of Annecy, in whose jurisdiction Ferney lay. He meddled in Genevan politics, taking the side of the workers, and installed a stocking factory and watchworks on his estate in order to help them. He called for the liberation of serfs in the Jura but without success, though he did succeed in suppressing the customs barrier on the road between Gex in the Jura and Geneva, the natural outlet for the produce of Gex. Such generous interventions in local politics (4) $\qquad$ him enormous popularity. In 1777, he received a popular acclamation from the people of Ferney. In 1815, the Congress of Vienna halted the annexation of Ferney to Switzerland in his honour.
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SubQuestion No : 17

## Q. 17 Select the most appropriate option to fill in blank number 2.

Ans

1. could

X 2 will
X 3. should
X4.can


## 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.

At Ferney, Voltaire entered one of the most active (1) $\qquad$ of his life. Both patriarch and lord of the manor, he developed a modern estate, sharing in the movement of agricultural reform in which the aristocracy was interested at the time. He (2) $\qquad$ not be true to himself, however, without stirring up village feuds before the magistrates on a question of tithes, as well as about the beating of one of his workmen. He renovated the church and had Deo erexit Voltaire (3) $\qquad$ on the facade. At Easter Communion, 1762, he delivered a sermon on stealing and drunkenness and repeated this sacrilegious offence in the following year, flouting the prohibition by the bishop of Annecy, in whose jurisdiction Ferney lay. He meddled in Genevan politics, taking the side of the workers, and installed a stocking factory and watchworks on his estate in order to help them. He called for the liberation of serfs in the Jura but without success, though he did succeed in suppressing the customs barrier on the road between Gex in the Jura and Geneva, the natural outlet for the produce of Gex. Such generous interventions in local politics (4) $\qquad$ him enormous popularity. In 1777, he received a popular acclamation from the people of Ferney. In 1815, the Congress of Vienna halted the annexation of Ferney to Switzerland in his honour.
His fame was now worldwide. 'Innkeeper of Europe'-as he was called-he welcomed such literary figures as James Boswell, Giovanni Casanova, Edward Gibbon, the prince de Ligne, and the fashionable philosophers of Paris. He kept up an (5) $\qquad$ correspondence-with the philosophes, with his actresses and actors, and with those high in court circles, such as the duc de Richelieu (grandnephew of the cardinal de Richelieu), the duc de Choiseul, and Mme du Barry, Louis XV's favourite. He renewed his correspondence with Frederick II and exchanged letters with Catherine II of Russia.

SubQuestion No : 18
Q. 18 Select the most appropriate option to fill in blank number 3.

Ans $\times 1$. knapped
X 2. formed
3. carved

X4. modelled


## 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.

At Ferney, Voltaire entered one of the most active (1) $\qquad$ of his life. Both patriarch and lord of the manor, he developed a modern estate, sharing in the movement of agricultural reform in which the aristocracy was interested at the time. He (2) $\qquad$ not be true to himself, however, without stirring up village feuds before the magistrates on a question of tithes, as well as about the beating of one of his workmen. He renovated the church and had Deo erexit Voltaire (3) $\qquad$ on the facade. At Easter Communion, 1762, he delivered a sermon on stealing and drunkenness and repeated this sacrilegious offence in the following year, flouting the prohibition by the bishop of Annecy, in whose jurisdiction Ferney lay. He meddled in Genevan politics, taking the side of the workers, and installed a stocking factory and watchworks on his estate in order to help them. He called for the liberation of serfs in the Jura but without success, though he did succeed in suppressing the customs barrier on the road between Gex in the Jura and Geneva, the natural outlet for the produce of Gex. Such generous interventions in local politics (4) $\qquad$ him enormous popularity. In 1777, he received a popular acclamation from the people of Ferney. In 1815, the Congress of Vienna halted the annexation of Ferney to Switzerland in his honour.
His fame was now worldwide. 'Innkeeper of Europe'—as he was called-he welcomed such literary figures as James Boswell, Giovanni Casanova, Edward Gibbon, the prince de Ligne, and the fashionable philosophers of Paris. He kept up an (5) $\qquad$ correspondence-with the philosophes, with his actresses and actors, and with those high in court circles, such as the duc de Richelieu (grandnephew of the cardinal de Richelieu), the duc de Choiseul, and Mme du Barry, Louis XV's favourite. He renewed his correspondence with Frederick II and exchanged letters with Catherine II of Russia.

SubQuestion No: 19
Q. 19 Select the most appropriate option to fill in blank number 4.

Ans
X 1. netted
X 2. scored
3. earned

X4. accumulated


## 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.

At Ferney, Voltaire entered one of the most active (1) $\qquad$ of his life. Both patriarch and lord of the manor, he developed a modern estate, sharing in the movement of agricultural reform in which the aristocracy was interested at the time. He (2) $\qquad$ not be true to himself, however, without stirring up village feuds before the magistrates on a question of tithes, as well as about the beating of one of his workmen. He renovated the church and had Deo erexit Voltaire (3) $\qquad$ on the facade. At Easter Communion, 1762, he delivered a sermon on stealing and drunkenness and repeated this sacrilegious offence in the following year, flouting the prohibition by the bishop of Annecy, in whose jurisdiction Ferney lay. He meddled in Genevan politics, taking the side of the workers, and installed a stocking factory and watchworks on his estate in order to help them. He called for the liberation of serfs in the Jura but without success, though he did succeed in suppressing the customs barrier on the road between Gex in the Jura and Geneva, the natural outlet for the produce of Gex. Such generous interventions in local politics (4) $\qquad$ him enormous popularity. In 1777, he received a popular acclamation from the people of Ferney. In 1815, the Congress of Vienna halted the annexation of Ferney to Switzerland in his honour.
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SubQuestion No : 20

## Q. 20 Select the most appropriate option to fill in blank number 5.

Ans

1. enormous

X 2. grandiose
X 3. infinite
X4.goodly

## Comprehension:

Read the given passage and answer the questions that follow. Lack of moral values, character-building incentives and good cultural values accounts for the present crisis prevalent in Indian scenario. Today, we find that even the persons in the most powerful positions have become an accomplice of a corrupt culture even though they are welleducated and well-reputed for their scholarship. The tragedy is this that even after independence, Indian society could not lay down the foundations strong enough to evolve an effective leadership which could give a new direction to the people. The perennial fact still remains that no system of government can be successful until strong emphasis is placed on moral values in the society. It can be done through creating a proper climate-an environment where these values can grow fully and are not stifled in the cruel grasp of corruption.

SubQuestion No : 21

## Q. 21 Select the most appropriate ANTONYM for the following word:

PREVALENT
Ans

1. Rare

X 2. Pervasive
X 3. Nonvalent
X4. Common

## Comprehension:

Read the given passage and answer the questions that follow.
Lack of moral values, character-building incentives and good cultural values accounts for the present crisis prevalent in Indian scenario. Today, we find that even the persons in the most powerful positions have become an accomplice of a corrupt culture even though they are welleducated and well-reputed for their scholarship. The tragedy is this that even after independence, Indian society could not lay down the foundations strong enough to evolve an effective leadership which could give a new direction to the people. The perennial fact still remains that no system of government can be successful until strong emphasis is placed on moral values in the society. It can be done through creating a proper climate-an environment where these values can grow fully and are not stifled in the cruel grasp of corruption.

SubQuestion No : 22
Q. 22 Select the most appropriate synonym for the following word:

INCENTIVE
Ans
X 1. Extensive
2. Inducement

X 3. Intensive
X 4. Strong

## Comprehension:

Read the given passage and answer the questions that follow.
Lack of moral values, character-building incentives and good cultural values accounts for the present crisis prevalent in Indian scenario. Today, we find that even the persons in the most powerful positions have become an accomplice of a corrupt culture even though they are welleducated and well-reputed for their scholarship. The tragedy is this that even after independence, Indian society could not lay down the foundations strong enough to evolve an effective leadership which could give a new direction to the people. The perennial fact still remains that no system of government can be successful until strong emphasis is placed on moral values in the society. It can be done through creating a proper climate-an environment where these values can grow fully and are not stifled in the cruel grasp of corruption.

SubQuestion No : 23
Q. 23 Select from among the given options the most appropriate title for the passage.

X 1. Indian Society
X 2. Significance of culture
3. Lack of Moral Values

X 4. Cultural System


## Comprehension:

Read the given passage and answer the questions that follow.
Lack of moral values, character-building incentives and good cultural values accounts for the present crisis prevalent in Indian scenario. Today, we find that even the persons in the most powerful positions have become an accomplice of a corrupt culture even though they are welleducated and well-reputed for their scholarship. The tragedy is this that even after independence, Indian society could not lay down the foundations strong enough to evolve an effective leadership which could give a new direction to the people. The perennial fact still remains that no system of government can be successful until strong emphasis is placed on moral values in the society. It can be done through creating a proper climate-an environment where these values can grow fully and are not stifled in the cruel grasp of corruption.

SubQuestion No : 24

## Q. 24 What is the style used in writing the given passage?

Ans 1. Argumentative
X 2. Descriptive
X 3. Narrative
X4. Dramatic

## Comprehension:

Read the given passage and answer the questions that follow.
Lack of moral values, character-building incentives and good cultural values accounts for the present crisis prevalent in Indian scenario. Today, we find that even the persons in the most powerful positions have become an accomplice of a corrupt culture even though they are welleducated and well-reputed for their scholarship. The tragedy is this that even after independence, Indian society could not lay down the foundations strong enough to evolve an effective leadership which could give a new direction to the people. The perennial fact still remains that no system of government can be successful until strong emphasis is placed on moral values in the society. It can be done through creating a proper climate-an environment where these values can grow fully and are not stifled in the cruel grasp of corruption.

SubQuestion No : 25

## Q. 25 Which of the following facts is mentioned in the given passage?

Ans

1. Lack of effective leadership resulted in the failure of Indian society to provide a new direction to its people.
2. For a successful system of governance, moral values are not essential.

X 3. Moral and cultural values account for the crisis in Indian society.
X 4. Government is responsible for the moral and cultural behaviour of people.

## Section : Quantitative Aptitude

Q. 1 The average marks obtained by 60 students in a certain examination are 35 . If the average marks of the students who passed are 39, and that of the students who failed are 15, how many students passed the examination?
Ans

1. 45
2. 50
$\times 3.60$
X4.55
Q. 2 Find the difference between compound interest and simple interest for 2 years at 10\% p.a. on a sum of Rs. 400.

Ans $\times 1$. Rs. 3
2. Rs. 5
3. Rs. 4

X 4.Rs. 1
Q. 3 A person buys a ceiling fan for $₹ 1,600$ and sells it at a loss of $18 \%$. What is the selling price of the ceiling fan?
Ans
X 1. ₹ 1,314
X2. ₹ 1,316
3. ₹ 1,312
4. ₹ 1,310
Q. 4 In an election there were only two candidates. $\mathbf{2 0 \%}$ of the voters did not cast their votes and 1000 votes were declared invalid. The winner, by obtaining $70 \%$ of the total valid votes, defeated his rival by 1200 votes. The total number of voters in the election was $\qquad$ .

Ans

1. 5000

X2. 6000
X 3.7000
$\times 4.8000$
Q. 5 The perimeter of a square is 168 metres. What is its area?

Ans
X1. $1884 \mathrm{~m}^{2}$
X2. $1784 \mathrm{~m}^{2}$
3. $1764 \mathrm{~m}^{2}$

X4. $1448 \mathrm{~m}^{2}$
Q. 6 Amit can complete a piece of work in 4 days and Raju can complete the same in 6 days. How long will they take, if both Amit and Raju work together?

Ans

1. $2 \frac{2}{5}$ days

X2. $1 \frac{3}{5}$ days
X 3. $5 \frac{2}{5}$ days
X4. $3 \frac{1}{5}$ days
Q. 7 A chair is bought for Rs. 800 and sold for Rs.750. Find the loss percentage.

Ans $\quad$ - $1.62 .5 \%$
X 2. 7.05\%
2. $6.25 \%$

X4.5.25\%
Q. 8 In an election between two candidates, $90 \%$ of the voters cast their votes, out of which $5 \%$ of the votes were declared invalid. A candidate got 12825 votes, which were $75 \%$ of the total valid votes. Find the total number of voters enrolled in that election.
Ans
X 1.16525
>2. 18000
X 3.15825
2. 20000
Q. 9 A successive discount of $11 \%, 10 \%$ and $30 \%$ is equal to:

Ans
X $1.42 .93 \%$
X2. 46.26\%

- 3. $43.93 \%$

X4.56.07\%
Q. 10 In an election of college students' president, a total of 2500 votes were polled. Akshit, Sumit and Rajni were contesting for the election. $10 \%$ of the total votes were rejected due to different reasons. Akshit received half of the votes received by Sumit. The average of Akshit's and Sumit's votes was equal to Rajni's votes. How many votes did Akshit receive?

Ans
X1. 1000
2. 500
$\times 3.600$
X4.555
Q. 11 Ramesh covered a total distance of 275 km on bike. For the first three hours, his speed was $65 \mathrm{~km} / \mathrm{h}$ and for the rest of the journey his speed came down to $40 \mathrm{~km} / \mathrm{h}$. Find the average speed of the bike.
Ans
, $1.55 \mathrm{~km} / \mathrm{h}$
X2. $65 \mathrm{~km} / \mathrm{h}$
X $3.75 \mathrm{~km} / \mathrm{h}$
X $4.45 \mathrm{~km} / \mathrm{h}$
Q. 12 The current population of a town is 50,000 . If it is growing at $\mathbf{6 \%}$, compounded every year, what will be the population of the town after two years?
Ans
X 1.56000
2. 56280
3. 56180
4. 56080

Q. 13 The speeds of three cars are in the ratio of $5: 4: 3$. What is the ratio between the time taken by these cars to cover the same distance?
Ans
X1.10:12:20
2. $8: 10: 12$
3. 11:15:25
4. $12: 15: 20$
Q. 14 In a discount scheme, there is $35 \%$ discount on the marked price of Rs.4,800, but the sale is finalised at Rs.2,184 only. What additional discount did the customer get?
Ans $\times 1.20 \%$
X 2. 34\%
3. $42 \%$
4. $30 \%$
Q. 15 What is the value of $0.12 \overline{3}$ in vulgar fraction?

Ans $\times 1 . \frac{341}{90}$
2. $\frac{111}{900}$
$\times 3 . \frac{3444}{900}$
$\times 4 . \frac{311}{900}$
Q. 16 The third proportional to 0.009 and 0.6 is:

Ans $\times 1.0 .004$
$\times 2.36$
-3. 40
$\times 4.0 .54$
Q. $1760 \%$ of the diameter of a hemisphere measures 8.4 cm . What is its volume (in
$\mathrm{cm}^{3}$, rounded off to the nearest tens)? (Take $\pi=\frac{22}{7}$ )
Ans
1.720
$\times 2.1440$
X 3.630
$\times 4.840$
Q. 18 Sudhir runs a certain distance at a speed of $13 \mathrm{~km} / \mathrm{h}$ for 7 minutes. He again walks for 7 minutes at a speed of $3 \mathrm{~km} / \mathrm{h}$. What is his average speed for the whole journey?
Ans
$\times 1.7 \mathrm{~km} / \mathrm{h}$
X2. $6 \mathrm{~km} / \mathrm{h}$

- $3.8 \mathrm{~km} / \mathrm{h}$

X4. $4 \mathrm{~km} / \mathrm{h}$
Q. 19 The fourth proportional of 24, 32 and 36 is:

Ans

- 1.48

X2. 40
$\times 3.45$
$\times 4.46$
Q. 20 The marked price of mustard oil is $10 \%$ more than its cost price. At what per cent less than the marked price should it be sold, to have no profit and no loss?
Ans
$\times 1.9 \frac{4}{11} \%$
2. $9 \frac{1}{11} \%$
$\times 3.9 \frac{3}{11} \%$
$\times 4.9 \frac{2}{11} \%$
Q. 21 On what sum of money will the difference between simple interest and compound interest for 2 years at 10\% per annum be equal to Rs.250?
Ans
X 1.Rs.45,000
X 2. Rs.35,000
X 3.Rs.20,000
4. Rs.25,000
Q. 22 Ramesh walks a certain distance and rides back in 5 hours 45 minutes. If he could ride both ways in 3 hours 30 minutes, find the time required by Ramesh to walk both ways .
Ans
$\times 1.5$ hours
X2. 7 hours
X 3.6 hours
4. 8 hours
Q. 23 A can work twice as fast as $B$. If they complete a work together in 18 days, then in how many days will $B$ alone complete the same work?
Ans
$\times 1.58$
$\times 2.56$
$\times 3.52$

- 4.54
Q. 24 How many prime numbers are there between 30 to 85 ?

Ans $\times 1.12$
$\times 2.15$

- 3.13
$\times 4.14$
Q. 25 In what ratio must sugar at the rate of Rs. $41 / \mathrm{kg}$ be mixed with sugar at the rate of Rs.55/kg so that the mixture is worth Rs.49/kg?
Ans
X1.5:6
$\times 2.2: 3$
- $3.3: 4$
$\times 4.4: 5$

Section: General Awareness
Q. 1 What was the name of the mascot of the Paralympics - 2020?

Ans 1. Someity
X 2. Miraitowa
X 3. Bing DwenDwen
X4. Soohorang
Q. 2 In the temples built by the Gupta rulers in ancient India, which of the following parts was the idol of the main deity installed?

Ans
X 1. Jagati
X 2. Shikhara
X 3. Mandapa
4. Garbhagriha

## Q. 3 Western disturbances cause:

Ans

1. rainfall during winters in the north west part of India
2. rainfall during winters in the south part of India
3. rainfall during summers in the north west part of India
4. rainfall during summers in the north east part of India
Q. 4 Bahauddin Dagar is associated with which musical instrument?

Ans 1. Rudra Veena
X 2. Sitar
$X$ 3. Flute
X4. Sarod
Q. 5 Among the following Sufi saints, whose dargah is located at Ajmer?

Ans $\quad$ 1. Bahauddin Zakariya
2. Moin-ud-din Chishti
3. Fariduddin Ganjshakar
4. Ali Hujwiri
Q. 6 Who was appointed as the Chief Economic Advisor of India in January 2022?

Ans $\times 1$. Krishnamurthy Subramanian
2. Dr V Anantha Nageswaran

3 3 Arvind Subramanian
4. Raghuram Rajan

## Q. 7 Which enzyme is present in pancreatic juice?

Ans
X 1. Bile
X 2. Pepsin
X 3. Maltase
4. Amylase
Q. 8 Chemancheri Kunhiraman Nair, born in Kerala, was a $\qquad$ dancer.
Ans $\times 1$. Mohiniyattam
2. Kathakali

X 3. Kuchipudi
X4. Kathak
Q. 9 The Ryotwari system was started first in which of the following Presidencies of British India?
Ans
X 1. Bengal
2. Bombay

X 3. Burma
4. Madras

## Q. 10 Cholesterol rich food can lead to:

Ans
X 1. muscular dystrophy
X 2. dementia
X 3. weak bones and muscles
4. cardiovascular disease
Q. 11 Which committee estimated poverty on the basis of nutritional requirements?

Ans
X 1. Thakurdas Committee
2. Alagh Committee

X 3. Tendulkar Committee
X 4. Lakdawala Committee
Q. 12 How many Fundamental Duties are given in the Constitution?

Ans
X 1.12

- 2.11
$\times 3.10$
$\times 4.9$
Q. 13 The 'Sepahijala Wildlife Sanctuary' is located in which Indian state?

Ans $\times 1$. Uttar Pradesh
X 2. Karnataka
X 3. Madhya Pradesh
4. Tripura
Q. 14 In the state assembly elections held in February-March 2022, the Aam Aadmi Party (AAP) formed the government in which of the following states?
Ans
X 1. Goa
2. Manipur
3. Uttar Pradesh
4. Punjab
Q. 15 In February 2022, which state government tabled a bill in the state assembly that has provisions for up to 10-year jail term and a fine of up to Rs. 10 crore for anyone found guilty of leaking question paper in government examinations?

Ans

1. Rajasthan
2. Gujarat
3. Madya Pradesh
4. Maharashtra
Q. 16 The initiative of 'Shatabdi Sankalp' by the government of India is associated with which of the following National festivals?

Ans

1. Gandhi Jayanti
2. Ambedkar Jayanti
3. Republic Day
4. Independence Day
Q. 17 The Dhamek Stupa is located in which Indian state?

Ans

1. Uttar Pradesh

X 2. Arunachal Pradesh
X 3. Himachal Pradesh
X 4. Bihar
Q. 18 Which of the following festivals is associated with the wedding of Goddess Meenakshi
celebrated majorly in Tamil Nadu?
Ans
X 1. Bihula
X 2. Porag
X 3. Saga Dawa
4. Chithirai
Q. 19 What was India's sex ratio in 1951?

Ans $\quad$ 人 1.930 females per 1000 males
2. 943 females per 1000 males
3. 929 females per 1000 males
4. 946 females per 1000 males
Q. 20 The Great Bath of Mohenjo-Daro was built with which material?

Ans
X 1. Marble
2. Brick
3. Sandstone
4. Granite
Q. 21 Which of the following is an autobiography of the Indian politician Lal Krishna Advani?

Ans
X 1. Unbreakable
2. Wandering in Many Worlds
3. My Country My Life
4. One Life Is Not Enough
Q. 22 The ICC under-19 World Cup Cricket - 2022 tournament was held in $\qquad$ .

Ans
X 1. Australia
X 2. England
X 3. New Zealand
4. West Indies
Q. 23 In 2019, which mission-mode water conservation campaign was launched for waterstressed districts regarding awareness and improvement of water conservation interventions?

Ans

1. Jal Shakti Abhiyan
2. Swajal Scheme

X 3. National Rural Drinking Water Programme
X 4. Jal Jeevan Mission
Q. 24 Myopia is also known as:

Ans $\times 1$.long-sightedness
X 2. distance-sightedness
3. near-sightedness

X 4. plane-sightedness
Q. 25 The agreement signed between Congress and Muslim League that paved the way for joint political campaign for both the Hindus and the Muslims is known as:
Ans
X 1. Cabinet Mission Plan
X 2. Poona Pact
3. Lucknow Pact
4. Wavell Plan

