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| Exam Date | $03 / 08 / 2022$ |
| Exam Time | 11:45 AM - 12:45 PM |
| Subject | Selection Post Phase X Matriculation Level |

## Section : General Intelligence

Q. 1 Pointing to a girl in a photograph, Kapil said, "My wife's son is the father of that person." How is that person related to Kapil?

Ans
X 1. Sister
X 2. Daughter
X 3. Son's wife

- 4. Son's daughter
Q. 2 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 goods are services.
No service is a duty.
Conclusions:
I. Atleast some goods are duties.
II. No good is a duty.

Ans
X 1. Neither conclusion I nor II follows
X 2. Only conclusion I follows
3. Only conclusion II follows
4. Both conclusions I and II follow
Q. 3 In a code language, 'WAITER' is written as ‘@\#6£ 38 ', 'HOSTEL' is written as ' $2 \$ \% £ 3+$ ' and 'WASHED' is written as '@\#\%239'. How will 'DRAWS' be written in that language?
Ans

1. $\$ 6 \%$ @+

98\#@\%
з. $98 \% @ £$
x4.\$6\#@\%
Q. 4 Which letter-cluster will replace the question mark (?) to complete the given series? FKSN, HMQL, JOOJ, ?, NSKF
Ans
X 1. MRNG
2. LQMH

X 3. MRNH
X 4. LQNG
Q. 5 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
First row: 11, 12, 529
Second row: 13, 14, 729
Third row: 15, 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 1.956
2. 961
$\times 3.934$
$\times 4.945$
Q. 6 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order. (From top to Bottom)
1.Feet
2.Hand
3.Head
4.Belly
5.Shoulder

Ans

Q. 7 Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
Some cats are plates.
All plates are tables.
Some tables are furniture.
Conclusions:
I. Some tables are plates.
II. Some plates are furniture.
III. Some cats are tables.

Ans $\quad$ 1. Only conclusion I and II follow
2. All of the conclusions follow
3. Only conclusion I and III follow

X 4. Only conclusion II and III follow
Q. 8 In a code language, 'BROAD' is coded as ' 40 ' and 'FLUSH' is coded as ' 66 '. How will 'RICKET' be coded in that language?
Ans
$\times 1.76$
X 2.61
จ 3.66
$\times 4.85$
Q. 9 Which letter-cluster will replace the question mark (?) to complete the given series? EUGS, ?, HRJP, KOMM, OKQI
Ans

1. FTHR

X 2. FSIQ
X 3.FUGS
X4. FHSQ

Q. 10 Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
Some bananas are pears.
Some pears are grapes.
All grapes are sour.
Conclusions:
l. All bananas are grapes
II. Some pears are sour.
III. Some bananas are grapes.

Ans $\quad$ 1. Only conclusion I follows
2. Only conclusion II follows

X 3. Only conclusion III follows
X 4. None of the conclusions follows
Q. 11 Select the figure that will replace the question mark (?) in the following figure series.


Ans

Q. 12 Which letter-cluster will replace the question mark (?) to complete the given series? RFTL, ?, VNLH, XRHF, ZVDD
Ans
X 1. UKPJ
X 2. TJOI
3. TJPJ
$\times 4$ UKOI
Q. 13 Select the correct mirror image of the given combination when the mirror is placed at ' $P Q$ ' as shown.

RCQF2L $\left.\right|_{Q} ^{P}$
Ans

- JS7 О Я
$\times 2 \mathrm{JFOCЯ}$


Q. 14 Which number will replace the question mark (?) in the following series?

8, 16, 48, ?, 960, 5760
Ans

- 1.192

2. 240
3. 144
4. 336
Q. 15 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
5. Geometric
6. Gender
7. Genuine
8. Generous
9. Gene
10. Generator

Ans

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

Х 2, 2, 6, 5, 4, 3, 1
X 3.1,2,5, 6, 4, 3,
X4.2,5,6,3,4, 1
Q. 16 ' $A$ @ $B$ ' means ' $A$ is the husband of $B$ '.
' $A$ \& $B$ ' means ' $A$ is the mother of $B$ '.
'A \# B' means ' $A$ is the daughter of $B$ '.
If P\&T@R\#S@W, then how is W related to T?
Ans
X 1. Grandmother
2. Mother-in-law

X 3. Mother's sister
X 4. Mother's father
Q. 17 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
HEAVY : YVAEH :: METEOR : ROETEM :: HIGHNESS : ?
Ans
X 1. SSNEHGIH
X 2. SSENHIGH
X 3. SSNEHIGH

- 4. SSENHGIH
Q. 18 Based on meaning/relevance of the words, Painting is related to Brushes in the same way as Calligraphy is related to $\qquad$ —.
Ans
$\times 1$

1. Music
2. Maps
3. Pens
4. Canvas
Q. 19 Which letter-cluster will replace the question mark (?) to complete the given series? PCXL, ?, TKPH, VOLF, XSHD

Ans
X 1.RHSJ
X 2. QGTK
3. QSTJ
4. RGTJ
Q. 20 In a code language, 'SPORTY' is written as 'UQQSVZ' and 'PLANTS' is written as 'RMCOVT'.How will 'BURDEN' be written in that language?
Ans
X 1. DVTFGP
2. DVTEGO

X 3. DWTFGP
X4. DWUEGO
Q. 21 In a code language, 'PLUCK' is coded as ' 72 ' and 'GRAZE' is coded as ' 78 '. How will 'CHARTS' be coded in that language?
Ans
$\times 1.73$
2. 93
$\times 3.95$
X4.85
Q. 22 Which two numbers (not the digits of the numbers), from amongst the given options,
should be interchanged to make the given equation correct?
$13-36+18 \times 24 \div 6=97$
Ans
$\times 1.13$ and 24
X2. 18 and 6
2. 36 and 24
$\times 4.18$ and 36
Q. 23 In a certain code language, 'BLUE' is written as ' 160 ', and 'RED' is written as ' 81 '. How will 'PINK' be written in that language?
Ans

1. 200
(2. 204
2. 196

X4. 208
Q. 24 In a certain code language, 'ANGER' is written as 'FRJGS', and 'APPLE' is written as 'FTSNF'. How will 'BRAIN' be written in that language?
Ans

1. GVDKO

X 2. GVCKO
X 3. GVDJO
X 4. GVDKP
Q. 25 In a code language, 'PERCH' is written as 'SBTAI' and 'BLANK' is written as 'EICLL'. How will 'GLUES' be written in that language?
Ans

1. JIWCT

X 2. JHXCT
X 3. JHWBV
X 4. JIXBV
Q. 1 Select the most appropriate ANTONYM to replace the italicised word.

There was no point in trying to conceal the truth now.
Ans
X 1. cover
X 2. mask
X 3. ensconce
2 4. reveal
Q. 2 Select the most appropriate synonym of the given word.

Meagre
Ans
X 1. Satisfactory
X 2. Enough
X 3. Adequate
4. Scanty
Q. 3 Substitute one word for the italicised expression.

He did not make perfectly clear what was meant by a significant submission.
Ans
X 1 . obscure
X 2. mystify
$X$ 3. conceal
4. elucidate
Q. 4 Select the option that can be used as a one-word substitute for the given group of words.

A herd of cattle or animals driven in a body.
Ans
X 1. Herd
X 2. Grove
3. Drove

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

Cordial
Ans $X 1$. Antagonistic
X 2. Unfriendly
3. Amicable

X4. Hostile
Q. 6 Select the most appropriate ANTONYM of the given word.

LIBERTY
Ans

1. dependence

X 2. independence
$\times$ 3. free will
×4. freedom
Q. 7 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Can you hope to counting the stars?
Ans

1. you hope to count
$\times 2$. you hope to be counted
X 3. you hope to counted
X4. you hope to be count

Q. 8 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Mahabaleshwar is cool than Panchgani.
Ans

1. is cooler than
$\times 2$ is coolest than
$\times 3$ is cold than
$\times 4$. is cooler then

## Q. 9 Select the INCORRECTLY spelt word

Ans
X 1. Disappointment
2. Agrement

X 3. Acknowledgement
X 4. Excitement

## Q. 10 Select the INCORRECTLY spelt word.

Ans 1. Heirarchy
$X 2$. Heiress
X 3. Ethereal
X4. Notorious
Q. 11 Select the option that expresses the given sentence in active voice.

The competition was not being taken seriously by her.
Ans
X 1. She was not taken the competition seriously
Х 2. She did not take the competition seriously.
3. She has not been taking the competition seriously.
4. She was not taking the competition seriously.
Q. 12 Select the option that expresses the given sentence in reported speech.

Shanti said, "Let us come in."
Ans
X 1. Shanti said that if they are allowed to come in.
X 2. Shanti told that let them be allowed to come in.
2. Shanti requested that they might be allowed to come in.
4. Shanti requested me to let them come in.

## Q. 13 Select the INCORRECTLY spelt word.

Ans 1. Reciept
X 2. Advantage
X 3. Horror
$\times 4$. Attitude
Q. 14 Select the most appropriate meaning of the given idiom.

Get your own way
Ans
X 1. Allow them to decide how to act, do not control or supervise them
2. Accept the blame or responsibility alone, even though other people were
responsible
3. Persuade other people to let you do what you want

X 4. Do everything they tell you to do, whenever they tell you to do it
Q. 15 Select the most appropriate meaning of the given idiom.

Bid fair
Ans
X 1. Said or done correctly

- 2. To seem likely
$\times$ 3. To pay handsomely
X 4. To assume


## 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.

Once the war was over, Ashoka ventured out to (1) $\qquad$ the city and all he could see were burnt houses and scattered corpses. The lethal war with Kalinga transformed the vengeful Emperor Ashoka into a stable and peaceful emperor, and he became a (2) $\qquad$ of Buddhism. According to the prominent Indologist, AL Basham, the 'Dharma' officially propagated by Ashoka was not Buddhism at all. Nevertheless, his patronage led to the (3) $\qquad$ of Buddhism in the Mauryan empire and other kingdoms during his rule, and worldwide from about 250 BCE. After the Kalinga War and Ashoka's conversion, the Empire experienced nearly half a century of peace and security. Mauryan India also enjoyed an era of social harmony, religious (4) $\qquad$ and expansion of the sciences and of knowledge. Chandragupta Maurya's embrace of Jainism increased social and religious renewal and reform across his society, while Ashoka's embrace of Buddhism has been said to have been the (5) $\qquad$ of the reign of social and political peace and non-violence across all of India.
SubQuestion No : 16

## Q. 16 Select the most appropriate option to fill in blank number 1.

Ans
$\times 1$ rename
X 2. divide
X 3. control
4. roam

## 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.

Once the war was over, Ashoka ventured out to (1) $\qquad$ the city and all he could see were burnt houses and scattered corpses. The lethal war with Kalinga transformed the vengeful Emperor Ashoka into a stable and peaceful emperor, and he became a (2) $\qquad$ of Buddhism. According to the prominent Indologist, AL Basham, the 'Dharma' officially propagated by Ashoka was not Buddhism at all. Nevertheless, his patronage led to the (3) $\qquad$ of Buddhism in the Mauryan empire and other kingdoms during his rule, and worldwide from about 250 BCE. After the Kalinga War and Ashoka's conversion, the Empire experienced nearly half a century of peace and security. Mauryan India also enjoyed an era of social harmony, religious (4) $\qquad$ and expansion of the sciences and of knowledge. Chandragupta Maurya's embrace of Jainism increased social and religious renewal and reform across his society, while Ashoka's embrace of Buddhism has been said to have been the (5) $\qquad$ of the reign of social and political peace and non-violence across all of India.

SubQuestion No: 17
Q. 17 Select the most appropriate option to fill in blank number 2.

Ans
X 1. successor
2. patron
$X$ 3. founder
X4. doubter

## 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.

Once the war was over, Ashoka ventured out to (1) $\qquad$ the city and all he could see were burnt houses and scattered corpses. The lethal war with Kalinga transformed the vengeful Emperor Ashoka into a stable and peaceful emperor, and he became a
(2) of Buddhism. According to the prominent Indologist, AL Basham, the 'Dharma' officially propagated by Ashoka was not Buddhism at all. Nevertheless, his patronage led to the (3)__ of Buddhism in the Mauryan empire and other kingdoms during his rule, and worldwide from about 250 BCE. After the Kalinga War and Ashoka's conversion, the Empire experienced nearly half a century of peace and security. Mauryan India also enjoyed an era of social harmony, religious (4) $\qquad$ and expansion of the sciences and of knowledge. Chandragupta Maurya's embrace of Jainism increased social and religious renewal and reform across his society, while Ashoka's embrace of Buddhism has been said to have been the (5) $\qquad$ of the reign of social and political peace and non-violence across all of India.

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

Ans
X1. modification
X 2. condemnation
3. expansion

X4. emancipation

## 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.

Once the war was over, Ashoka ventured out to (1) $\qquad$ the city and all he could see were burnt houses and scattered corpses. The lethal war with Kalinga transformed the vengeful Emperor Ashoka into a stable and peaceful emperor, and he became a (2) $\qquad$ of Buddhism. According to the prominent Indologist, AL Basham, the 'Dharma' officially propagated by Ashoka was not Buddhism at all. Nevertheless, his patronage led to the (3) $\qquad$ of Buddhism in the Mauryan empire and other kingdoms during his rule, and worldwide from about 250 BCE. After the Kalinga War and Ashoka's conversion, the Empire experienced nearly half a century of peace and security. Mauryan India also enjoyed an era of social harmony, religious (4) $\qquad$ and expansion of the sciences and of knowledge. Chandragupta Maurya's embrace of Jainism increased social and religious renewal and reform across his society, while Ashoka's embrace of Buddhism has been said to have been the (5) $\qquad$ of the reign of social and political peace and non-violence across all of India.

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

Ans

1. transformation

X2. affiliation
X 3. comprehension
X4. apprehension

## 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.

Once the war was over, Ashoka ventured out to (1) $\qquad$ the city and all he could see were burnt houses and scattered corpses. The lethal war with Kalinga transformed the vengeful Emperor Ashoka into a stable and peaceful emperor, and he became a
(2) of Buddhism. According to the prominent Indologist, AL Basham, the 'Dharma' officially propagated by Ashoka was not Buddhism at all. Nevertheless, his patronage led to the (3) ___ of Buddhism in the Mauryan empire and other kingdom during his rule, and worldwide from about 250 BCE. After the Kalinga War and Ashoka's conversion, the Empire experienced nearly half a century of peace and security. Mauryan India also enjoyed an era of social harmony, religious (4) $\qquad$ and expansion of the sciences and of knowledge. Chandragupta Maurya's embrace of Jainism increased social and religious renewal and reform across his society, while Ashoka's embrace of Buddhism has been said to have been the (5) $\qquad$ of the reign of social and political peace and non-violence across all of India.

SubQuestion No: 20
Q. 20 Select the most appropriate option to fill in blank number 5.

Ans

1. foundation
$X$ 2. retention
X 3. accession
X4. drawback

## Comprehension:

Read the given passage and answer the questions that follow.
Gutenberg Bible, also called 42-line Bible was the first complete book extant in the West and one of the earliest printed from movable type, so called after its printer, Johannes Gutenberg. Gutenbarg completed it in 1455 while working at Mainz, Germany. The three-volume work, in Latin text, was printed in 42-line columns and, in its later stages of production, was worked on by six compositors simultaneously. It is sometimes referred to as the Mazarin Bible because the first copy described by bibliographers was located in the Paris library of Cardinal Mazarin. The Anthology of Great Buddhist Priests' Zen Teachings (1377), also known as Jikji, was printed in Korea 78 years before the Gutenberg Bible and is recognized as the world's oldest extant movable metal type book.
Like other contemporary works, the Gutenberg Bible had no title page, no page numbers, and no innovations to distinguish it from the work of a manuscript copyist. This was presumably the desire of both Gutenberg and his customers. Experts are generally agreed that the Bible, though uneconomic in its use of space, displays a technical efficiency not substantially improved upon before the 19th century. The Gothic type is majestic in appearance, medieval in feeling, and slightly less compressed and less pointed than other examples that appeared shortly thereafter.
The original number of copies of this work is unknown; some 40 are still in existence. There are perfect vellum copies kept in the U.S. Library of Congress, the French Bibliothèque
Nationale, and the British Library. In the United States almost complete texts are preserved in the Huntington, Morgan, New York Public, Harvard University, and Yale University libraries.

SubQuestion No : 21

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

The Mazarin Bible derived its name from the $\qquad$ .
Ans
X 1. Bibliothèque Nationale
2. Paris Library

X 3. Library of Congress
X 4. British Library


## Comprehension:

Read the given passage and answer the questions that follow.
Gutenberg Bible, also called 42-line Bible was the first complete book extant in the West and one of the earliest printed from movable type, so called after its printer, Johannes Gutenberg. Gutenbarg completed it in 1455 while working at Mainz, Germany. The three-volume work, in Latin text, was printed in 42-line columns and, in its later stages of production, was worked on by six compositors simultaneously. It is sometimes referred to as the Mazarin Bible because the first copy described by bibliographers was located in the Paris library of Cardinal Mazarin. The Anthology of Great Buddhist Priests' Zen Teachings (1377), also known as Jikji, was printed in Korea 78 years before the Gutenberg Bible and is recognized as the world's oldest extant movable metal type book.
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SubQuestion No : 22
Q. 22 Select the most appropriate ANTONYM of the given word.

Simultaneously
Ans
X 1. Passionately
X 2. Perpetually
X 3. Reluctantly
4. Consecutively

## Comprehension:

Read the given passage and answer the questions that follow.
Gutenberg Bible, also called 42-line Bible was the first complete book extant in the West and one of the earliest printed from movable type, so called after its printer, Johannes Gutenberg. Gutenbarg completed it in 1455 while working at Mainz, Germany. The three-volume work, in Latin text, was printed in 42-line columns and, in its later stages of production, was worked on by six compositors simultaneously. It is sometimes referred to as the Mazarin Bible because the first copy described by bibliographers was located in the Paris library of Cardinal Mazarin. The Anthology of Great Buddhist Priests' Zen Teachings (1377), also known as Jikji, was printed in Korea 78 years before the Gutenberg Bible and is recognized as the world's oldest extant movable metal type book.
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## SubQuestion No : 23

Q. 23 Identify an appropriate title for the given passage from the following options.

Ans

1. The 42-Line Bible by Gutenberg

X 2. The First Printing Press by Gutenberg
X 3. The Preservation of Manuscripts
4. The Bible and Other Contemporary Works

## Comprehension:

Read the given passage and answer the questions that follow.
Gutenberg Bible, also called 42-line Bible was the first complete book extant in the West and one of the earliest printed from movable type, so called after its printer, Johannes Gutenberg. Gutenbarg completed it in 1455 while working at Mainz, Germany. The three-volume work, in Latin text, was printed in 42 -line columns and, in its later stages of production, was worked on by six compositors simultaneously. It is sometimes referred to as the Mazarin Bible because the first copy described by bibliographers was located in the Paris library of Cardinal Mazarin. The Anthology of Great Buddhist Priests' Zen Teachings (1377), also known as Jikji, was printed in Korea 78 years before the Gutenberg Bible and is recognized as the world's oldest extant movable metal type book.
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The original number of copies of this work is unknown; some 40 are still in existence. There are perfect vellum copies kept in the U.S. Library of Congress, the French Bibliothèque Nationale, and the British Library. In the United States almost complete texts are preserved in the Huntington, Morgan, New York Public, Harvard University, and Yale University libraries.

SubQuestion No : 24
Q. 24 Where was the first printed book published?

Ans
$X 1$. The US
X 2. Britain
3. Korea

X 4. Germany

## Comprehension:

Read the given passage and answer the questions that follow.

Gutenberg Bible, also called 42-line Bible was the first complete book extant in the West and one of the earliest printed from movable type, so called after its printer, Johannes Gutenberg. Gutenbarg completed it in 1455 while working at Mainz, Germany. The three-volume work, in Latin text, was printed in 42 -line columns and, in its later stages of production, was worked on by six compositors simultaneously. It is sometimes referred to as the Mazarin Bible because the first copy described by bibliographers was located in the Paris library of Cardinal Mazarin. The Anthology of Great Buddhist Priests' Zen Teachings (1377), also known as Jikji, was printed in Korea 78 years before the Gutenberg Bible and is recognized as the world's oldest extant movable metal type book.
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SubQuestion No : 25

## Q. 25 What is Jikji?

Ans

1. World's first complete book in the west

X 2. Three volume work created by six compositors
X 3. '42 line Bible' compiled by Johannes Gutenberg

- 4. World's oldest extant movable metal type book
Q. 1 An athlete crosses 1200 m distance in 9 minutes. What is his speed (in $\mathrm{km} / \mathrm{h}$ )?

Ans

- 1.8
$\times 2.9$
$\times 3.7$
$\times 4.6$
Q. 2 Arun is going from Delhi to Mumbai for a business trip. He travelled by train to reach Gandhinagar in 16 hours covering a distance of 920 km . After a break of 2 hours, he took another train from the same place to Mumbai, covering the distance in 12 hours. Arun took a total of 30 hours to cover the entire distance of 1478 km. What was the speed (in $\mathrm{km} / \mathrm{h}$ ) of the train going from Gandhinagar to Mumbai?
Ans
X 1.39 .85

2. 26.5

X3. 53.5
X4. 49
Q. 3 Find the maximum length of a rod, that can be placed in a room of dimension $12 \mathrm{~m} \times$ $12 \mathrm{~m} \times 14 \mathrm{~m}$.
Ans

- 1.22 m
$\times 2.24 \mathrm{~m}$
X 3.23 m
$\times 4.21 \mathrm{~m}$
Q. 4 What is the sum of the mean proportional between 5 and 9.8 and the third proportional to 7 and 14 ?
Ans

1. 35
2. 32
3. 34
4. 33
Q. 5 The third proportional of 5 and 15 is:

Ans

- 1.35

2. 40
$\times 3.50$

- 4.45
Q. 6 A man borrowed Rs.24,000 and Rs. 30,000 at 5\% and 9\% per annum simple interest, respectively. What amount (in Rs.) will he have to return after 8 years?
Ans
$\times 1.78450$

2. 85200
$\times 3.92500$
X4.31200
Q. 7 A certain sum of money becomes three times of itself in $5 \frac{1}{2}$ years at a certain rate of simple interest. How much time will it take to become six times of itself at the same rate?
Ans
X1. 12 years 3 months
X 2.15 years 5 months
3. 10 years 6 months
4. 13 years 9 months
Q. 8 Convert $0 . \overline{57}$ into fraction.

Ans
2. $\frac{19}{33}$

X2. $\frac{17}{33}$
$\times 3 . \frac{57}{33}$
X4. $\frac{33}{19}$
Q. 9 A can do a piece of work in 12 days, and $B$ can do the same work in 15 days. With the help of C , they can finish the work in 5 days. How long will it take C to finish the work?
Ans $\times 1.18$ days
2. 20 days

X 3.17 days
X4. 19 days
Q. 10 The number of all prime numbers between 0 and 44 is:

Ans
$\times 1.13$
X2. 12
× 3.11
2. 14
Q. 11 The valuation of a house depreciates at $10 \%$ in a year, compared to its value at the beginning of that year. If the current value of the house is Rs.40,00,000, find what the value of the house will be three years from now.
Ans
X 1.Rs.28,00,000
2. Rs.29,16,000

X 3.Rs.29,06,000
4. Rs.29,26,000
Q. 12 Shatish sold a music system to Karan at a $25 \%$ gain and Karan sold it to Swati at a $30 \%$ gain. If Swati paid Rs.12,500 for the music system, what amount did Shatish pay for the same?
Ans
X 1. Rs.8,692.31
2. Rs.6,802.32
3. Rs.7,692.31

X 4. Rs.9,000.35
Q. 13 An article marked for ₹ 30,000 is available through two discount schemes. Under scheme 1, successive discounts of $25 \%, 16 \%$ and $15 \%$ are offered. Under scheme 2, successive discounts of $20 \%, 15 \%$ and $16 \%$ are offered. Find the difference between the selling price under the two schemes.
Ans
X 1. ₹ 1,073
X2. ₹ 1,070

- 3 ₹ 1,071

X4. ₹ 1,072
Q. 14 What is the average speed of a car in $\mathrm{km} / \mathrm{h}$, if it travels 300 km in 4 h and remaining 150 km in 5 h ?

Ans
$\times 1.55$
$\times 2.45$
3. 50

X4. 65
Q. 15 In an election, two candidates contested. The winner secured $54 \%$ of the votes and won by 256 votes. Find the total number of votes polled if 96 votes were declared invalid?
Ans
$\times 1.3784$
2. 3296

X 3.3994
$\times 4.3568$
Q. 16 A man sold an article for Rs. 644 gaining $\frac{1}{3}$ th of his outlay. Find the cost price of the article.

Ans
X 1. Rs. 793
X 2. Rs. 580
3. Rs. 483

X4.Rs. 453
Q. 17 In an election contested by two candidates, one candidate got $40 \%$ of the total votes and still lost by 800 votes, what is the total number of votes cast?
Ans
X 1.2500
2. 4000
3. 3550
4. 1550
Q. 18 A completes a work in 3 days while B completes it in 6 days. If they work alternately with A starting work first, then in how many days will the work be finished?

Ans
X1.6
X2.7
(3. 5
4. 4
Q. 19 Sarika bought three shirts for her husband and paid Rs.4,200 for all the three pieces. The shopkeeper gave her a discount of $20 \%$ on the total amount. What would be the marked price of one shirt?
Ans
X 1. Rs.1,800
X 2. Rs.2,150
X 3. Rs.1,950
4. Rs.1,750
Q. 20 The average of the squares of the natural numbers from 1 to 11 is $\qquad$ -.
Ans 1. 46
2. 506
3. 508
4. 48
Q. 21 The radii of the two spheres are in the ratio $4: 3$. What is the ratio between their volumes?
Ans
$\times 1.36: 27$
2. $25: 64$
3. $64: 36$
4. $64: 27$
Q. 22 If a car covers 80 km in 5 litres of petrol, how much distance (in km ) will it cover in 26 litres of petrol?
Ans
$\times 1.417$
2. 415
3. 416
4. 418
Q. 23 Rajesh made a profit of $14 \%$ when he sold a raincoat for $₹ 7,980$. Find the cost price of the raincoat.
Ans

1. ₹ 6,500
2. ₹ 6,000
3. ₹ 7,000

X4. ₹7,500
Q. 24 The speed of a boat in still water is $15 \mathrm{~km} / \mathrm{h}$ and the speed of the current is $9 \mathrm{~km} / \mathrm{h}$. The distance travelled by the boat downstream in $\mathbf{2 5}$ minutes is:
Ans
X 1.8 km
2. 10 km
3. 12 km
4. 9 km
Q. 25 Three-fourth students of a class are boys. If 120 girls are added to the class, then three-fourth students of the class would be girls. What percentage increment should be there in the girls to have $\mathbf{4 0}$ girls in the class?
Ans
X $1.100 \%$
X 2. 133.33\%

- 3. 166.67\%

4. 266.67\%

## Section: General Awareness

Q. 1 Ashoka sent his son Mahendra to which of the following neighbouring countries to propagate Buddhism in ancient India?
Ans

1. Sri Lanka

X 2. Nepal
3 3. Bhutan
X4. Tibet
Q. 2 Which type of protein is found in milk?

Ans $\quad$ 1. Pepsin and lipase
X 2. Chymotrypsin
3. Trypsin and amylase
4. Casein and whey protein
Q. 3 In February 2022, the Public Works Department of Delhi Government has decided to dedicate a one-kilometre long stretch in North Delhi to India's Olympics and Para Olympics 2021 champions. What is the name given to this sport-themed stretch?
Ans

1. Olympic Boulevard

人 2. Olympic Town
X 3. Olympic Park
4. Olympic Street
Q. 4 'Waiting for a Visa' is an autobiography of which of the following Indian leaders?

Ans
X 1. Rajendra Prasad
X 2. Jawaharlal Nehru
3. Bhimrao Ambedkar

X 4. Indira Gandhi
Q. 5 'Alarippu' is one of the stages of which of the following Indian classical dances?

Ans $\times 1$. Kathakali
X 2. Kuchipudi
3. Bharatanatyam

X4. Mohiniyattam
Q. 6 In which of the following countries was the first winter Olympic Games organised by the IOC?
Ans
X1. Britain
2. France

X 3. Australia
X4. The US
Q. 7 In which of the following years did Muhammad Ghori defeat Prithviraj Chauhan in the second battle of Tarain?
Ans
X 1.1180
X2. 1199
$\times 3.1173$

- 4.1192
Q. 8 Which of the following started in August 1942 and was the last nationwide movement led by Mahatma Gandhi against the British Raj in India?
Ans
X 1. Civil Disobedience Movement
X 2. Non-cooperation Movement

3. Quit India Movement
4. Champaran Movement
Q. 9 Which of the following Stupas is situated in the present-day Madhya Pradesh?

Ans
X 1. Ramabhar Stupa
2. Sanchi Stupa

X 3. Kesaria Stupa
X 4. Shanti Stupa
Q. 10 Which of the following options is correctly paired

Ans
X 1. Outermost layer of earth - outer core
2. Innermost layer of earth - Inner core

X 3. Innermost layer of earth - Crust
X 4. Innermost layer of earth - Mantle
Q. 11 Which of the following manufacturing industries was set up in Rourkela in 1959, which is in Sundergarh district of Odisha?

Ans

1. Iron and Steel industry

X 2. Textile industry
X 3. Cement industry
X4. Chemical industry
Q. 12 In terms of length and size of the written Constitution among all the countries in the world, what is the rank of the Constitution of India?
Ans
$\times 1$. Third
2. First

X 3. Second
X 4. Fourth

## Q. 13 Who among the following was NOT associated with the 'Trinity of Carnatic Music'?

Ans $\times$ 1. Tyagaraja
X 2. Shyama Sastri
3. Annamayya

X 4. Muthuswami Dikshitar
Q. 14 $\qquad$ is a scientific device used to measure atmospheric pressure.
Ans
$X 1$. Thermometer
2. Barometer
3. Hydrometer
4. Electrometer
Q. 15 Identify the national festival on the basis of the given clues:
i) India attained freedom on this day.
ii) The Prime Minister gives a speech at the Red Fort in Delhi.

Ans
X 1. Mahavir Jayanti
X 2. Republic Day
X 3. Guru Nanak Jayanti
4. Independence Day
Q. 16 On 7 February 2022, which state government launched an open-air classroom for students from class 1 to 7 called 'Paray Shikshalaya'?
Ans
X 1. Chhattisgarh
2. West Bengal

X 3. Kerala
X 4. Maharashtra
Q. 17 The famous musician RK Bijapure is associated with which musical instrument?

Ans $\times 1$ 1. Pakhawaj
2. Sarod
3. Harmonium
4. Tabla
Q. 18 In which Indian state is Cold Desert Biosphere Reserve located?

Ans
X 1. Uttarakhand
2. Haryana
3. Sikkim
4. Himachal Pradesh
Q. 19 What is the valency of chloride in $\mathrm{AICl}_{3}$ ?

Ans
$\times 1.4$
X2.3
$\times 3.2$

- 4.1
Q. 20 Bhagat Singh threw a bomb on the Central Legislative Assembly on 8 April 1929 along with who among the following revolutionaries in British India?
Ans
X 1. Chandra Shekhar Azad
X 2. Shivaram Rajguru
- 3. Batukeshwar Dutt

X 4. Ashfaq Ulla Khan
Q. 21 Which of the following forts is NOT situated in the Indian state of Rajasthan?

Ans
X 1. Nahargarh
2. Warangal
3. Kishangarh
4. Lohagarh
Q. 22 Intensified Mission Indradhanush 4.0, launched by Ministry of Health and Family Welfare on 7 February 2022, will have $\qquad$ rounds and will be conducted in 416 districts.
Ans
$X$ 1. Four
$X 2$. Five
3. Three
$\times 4$. Two
Q. 23 The Constitution of India borrowed the quasi federal structure of government from which country?
Ans
X1. Switzerland
2. Canada
3. Australia
4. United States of America
Q. 24 Rajendra Prasanna plays which musical instrument?

Ans $\quad \times 1$. Veena
2. Flute

X 3. Tabla
X 4. Sitar
Q. 25 Khajuraho Dance Festival is celebrated in which of the following states of India?

Ans $\quad X$ 1. Gujarat
$X$ 2. Uttar Pradesh
3. Madhya Pradesh

X 4. Maharashtra

