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| Exam Date | $01 / 08 / 2022$ |
| Exam Time | 11:45 AM - 12:45 PM |
| Subject | Selection Post Phase X Matriculation Level |

Section: General Intelligence
Q. 1 In a code language, 'five times six' is written as ' 564 ' and 'eleven plus eight' is written as ' 756 '. How will 'two minus one' be written in that language?

Ans
$\times 1.242$
X2. 353
X 3.575
2. 464
Q. 2 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.
HELIPAD : HILOPED :: GROUND : GRUAND :: DELIGHT : ?
Ans

1. DILOGHT

X 2. DOLIGHT
3. DELOGHT

X 4. DALUGHT
Q. 3 ' $P$ @ $Q$ ' means ' $P$ is the mother of $Q$ ' ' $P$ \& Q' means ' $P$ is the wife of $Q$ ' ' $P$ \# $Q$ ' means ' $P$ is the husband of $Q$ ' If ' $A$ \# B @ C @ D \& E', then how is D related to A?
Ans $\times 1$. Mother's mother
2. Daughter's daughter
> 3. Mother's father
X4. Daughter
Q. 4 Which letter-cluster will replace the question mark (?) to complete the given series?

XSMP, WTKR, VUIT, ?, TWEX
Ans
X 1. UVHW
2. UVGV
3. UWHV
4. UWFX
Q. 5 Two statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
All lotuses are roses.
All lotuses are hibiscuses.
Conclusions:
I. All roses are hibiscuses.
II. Some hibiscuses are lotuses.
III. Some roses are hibiscuses.

Ans $\times 1$. Only conclusions I and III follow
X 2. Only conclusions I and II follow
X 3. All of the conclusions follow
4. Only conclusions II and III follow
Q. 6 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1.Loaves
2.Loans
3.Loaded
4.Loafer
5.Lonely
6.Loathsome

Ans

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

X 2.6,3, 4, 2, 1, 5
3. $1,3,4,2,6,5$
$\times 4.2,3,4,6,1,5$
Q. 7 Which letter-cluster will replace the question mark (?) to complete the given series?

ETGW, ?, INOM, KKSH, MHWC
Ans
X 1. GRKS
2. GQKR

X 3. HQLR
X4. HRLS
Q. 8 In a certain code language, 'FINE' is written as 'HKLC' and 'TOUR' is written as 'VQSP'. How will 'MILK ' be written in that language?

Ans
$\times 1$ KGNM
X 2. KGJI
X 3. OKNM
2. OKJI
Q. 9 In a certain code language, 'ORANGE' is written as 'RONAEG' and 'NINETY' is written as 'INENYT'. How will 'TRAVEL' be written in that language?
Ans

1. RTVALE

X 2. ALTVRE
X 3. VLTARE
X 4. VERATL
Q. 10 Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter-series.

Ans

1. PRAUSRPS
2. PRUARSPS
3. PRUAPSPS
4. PRAURSPS
Q. 11 Which letter cluster will replace the question mark (?) to complete the given series? SVGQ, OCWD, ?, GQCD, CXSQ
Ans
5. LQJM
6. KCMS
7. KJMQ
8. LDCP
Q. 12 Two statements are given followed by three conclusions numbered I, II and III.

Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
All A are B.
Some A are C.
Conclusions:
I. Some B are C.
II. No C is B.
III. Some B are A.

Ans
X 1. Only conclusions II and III follow
X 2. Only conclusions I and II follow
$\times 3$. All of the conclusions follow
2. Only conclusions I and III follow
Q. 13 Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
Some fish are limes.
All limes are chairs.
Some chairs are big.
Conclusions:
I. Some limes are big.
II. Some fish are chairs.
III. All limes are fish.

Ans

1. None of the conclusions follows

X 2. Only conclusion III follows
X 3. Only conclusion I follows
4. Only conclusion II follows
Q. 14 Select the figure that will replace the question mark (?) in the following figure series.


Ans

Q. 15 Which two numbers (not digits of the numbers), from amongst the given options, should be interchanged to make the given equation correct?
$12 \times 9+27 \div 3-5=60$
Ans
$\times 1.27$ and 9
X 2. 12 and 3
X 3.12 and 5

- 4.5 and 9
Q. 16 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.


Ans
хе7кдрн


×4.9「イдрн
Q. 17 Based on meaning/relevance of the words, News is related to Editor in the same way as Movie is related to $\qquad$ .
Ans
X 1. Lyricist
2. Singer

X 3. Theatre
2. Director
Q. 18 In a certain code language, 'FAITH' is written as 'JDMWL', and 'GLASS' is written as 'KOEVW'. How will 'HEART' be written in that language?
Ans
X 1. LHFUX
2. LHEUX
$X$ 3. LHEUY
X 4. LHEWX
Q. 19 Which number will replace the question mark (?) in the following series?

2, 3, 6, 18, 108, ?
Ans

1. 1620
2. 1188
$\times 3.648$
3. 1944
Q. 20 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row: 21, 12, 19
Second row: 27, 10, 19
Third row: 24, 10, ?
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
Ans
X 1.19
$\times 2.16$

- 3.18
$\times 4.17$
Q. 21 In a code language, 'RAIN' is written as '18-1-9-14' and 'CLOUD' is written as ' 3 -12-15-21-4'. How will 'WEATHER' be written in that language?
Ans $\quad \times 1.23-5-8-20-1-5-18$

2. 23-5-1-21-9-5-18
3. 23-5-1-20-8-5-18
4. 23-6-1-20-8-6-18
Q. 22 In a code language, 'please come here' is written as ' 533 ' and 'bring the potatoes' is written as '427'. How will 'an early start' be written in that language?
Ans
X1. 255
X2. 155
X 3. 366
v 4.144
Q. 23 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
5. Insurance
6. Insomnia
7. Insufficient
8. Instalment
9. Inscription
10. Instrument

Ans $\quad$ 1. $1.2,4,6,1,3$
2. $5,2,4,6,3,1$

X $3.2,5,4,6,3,1$
X4.5,2,6,4,3, 1
Q. 24 In a certain code language, 'FAN' is written as ' 63 ', and 'DEAR' is written as ' 112 '. How will 'BABY' be written in that language?
Ans
X 1.115

- 2.120
$\times 3.130$
$\times 4.110$
Q. 25 Pointing to a person in a photograph, a man, Kabir, said, "She is the sister of my mother's daughter's daughter." How is the person related to Kabir?

Ans

1. Sister's daughter
2. Daughter
3. Wife
4. Sister

## Section: English Language

Q. 1 Select the correctly spelt word to fill in the blank.

The $\qquad$ of a place is the total number of citizens of the place having voting rights.
Ans $X$ 1. electrate
$\times$ 2. electroate
X 3. elektorate
4. electorate
Q. 2 Select the most appropriate meaning of the given idiom.

Out of spirits
Ans
X 1. To blunder
X 2. To disclose
X 3. Cheerful or joyful
4. Gloomy or sad
Q. 3 Select the option that expresses the given sentence in active voice.

The court verdict had been challenged by the officer.
Ans
Х 1 . The officer challenged the court verdict.
2. The officer had challenged the court verdict.
$\chi$ 3. The officer has challenged the court verdict.
X 4. The officer was challenging the court verdict.
Q. 4 Select the option that can be used as a one-word substitute for the given group of words.

An official inspection of a company's, or individual's, accounts
Ans
X 1. Survey
X 2. Documentation
3. Audit

X4. Audition
Q. 5 Select the option that can be used as a one-word substitute for the given group of words.

The inner soft part of a seed, fruit or nut
Ans

1. Kernel

X 2. Pulp
X 3. Peel
X 4. Bud
Q. 6 Select the most appropriate ANTONYM of the underlined word.

Jack said he is unfortunate to win the jackpot.
Ans
$\chi$ 1. sensible
X 2. bad
X 3. untimely
4. lucky
Q. 7 Select the most appropriate meaning of the given idiom.

Hard cash
Ans
X 1. Cash in the form of gold
2. Notes and coins as opposed to cheques and ATM cards

3 3. Currencies that can be paid only in gold
X4. Cash that cannot be transformed into liquid cash

## Q. 8 Select the INCORRECTLY spelt word.

Ans
X 1. Abdicate
X 2. Juvenile
3. Dumbell

X 4. Abbreviate
Q. 9 Select the most appropriate ANTONYM of the underlined word.

The criminal offered his testimony before the jury.
Ans

1. denial

X 2. deputation
X 3. time
X4. jokes
Q. 10 Select the most appropriate option to replace the underlined word in the given sentence.

What an epic journey! I love the whole concept.
Ans
X 1. narration
X 2. story
X 3. belief

- 4. notion
Q. 11 Select the option that expresses the given sentence in indirect speech.

The professor asked, "How many of you can afford a trip to New York?"
Ans
X 1. The professor asked how many of you can afford a trip to New York.
X 2. The professor asked how many of them can afford a trip to New York.
X 3. The professor asked how many of us could have afforded a trip to New York.
4. The professor asked how many of them could afford a trip to New York.
Q. 12 Select the most appropriate synonym of the given word.

## Distribute

Ans $\times 1$. Practice
X 2. Impress
× 3. Oblige

- 4. Circulate
Q. 13 Select the most appropriate option to fill in the blank.

The professor was very happy to see that John was a $\qquad$ student.
Ans
X 1. sunny
2. diligent

X 3. careless
X4. cunning
Q. 14 Select the option that can be used as a one-word substitute for the given group of words.

An arrangement of flowers that is usually given as present.
Ans

1. Bouquet

X 2. Inflorescence
X 3. Decoration
X4. Bunch

Q. 15 Select the correctly spelt word to fill in the blank.

There can be maximum twelve light fittings on a $\qquad$ .

Ans
X 1. cirkit
ㄱ 2. Sirkit
X 3. circkit
4. circuit

## Comprehension:

Coral reefs are vital to both human societies and the ocean's ecosystem-they protect shorelines from storm surges and erosion and serve as nurseries for marine life. They're also frighteningly imperiled by warming waters, which produce conditions that turn them a ghostly white and expose them to a blanket of algae. That's what Kim Cobb saw one day in 2016 when she swam up to the reef in the central Pacific's Line Island chain that she'd been studying for 18 years. A heat wave had killed or bleached 95 per cent of the corals. "It was carnage," the Georgia Tech climate scientist recalls. Disturbances like pollution and fishing are relatively limited in the vicinity of the research site, so Cobb felt rising ocean temperatures were the likely culprit. The impact has already been devastating, she says, adding, "I can't even imagine what it would look like at 2 degrees Celsius."
If warming can be limited, however, there might be hope for the corals that remain. Scientists like Hollie Putnam are engineering so-called super corals with the ability to withstand higher ocean temperatures and acidity levels. Putnam, a marine biologist at the University of Rhode Island, places coral species under climate change stressors and breeds those that survive best, creating hyper-resilient organisms. "They're really exciting and really hopeful," Putnam says, noting that super corals could help maintain the biodiversity and genetic diversity of already struggling reefs, like the ones in the Line Island Chain. But super corals are more likely to survive if warming doesn't get much worse. "If we push the climate system to 2 degrees Celsius, we're talking about 1 per cent of reefs surviving," Cobb says. "That makes it less likely that coral-resilience engineering efforts will succeed." She says it's essential to limit warming to 1.5 degrees, a scenario in which up to 30 per cent of reefs could survive on their own. If that happens, one of the world's wildest reefs could be strengthened. If it doesn't, even the savviest engineering intervention won't be enough.

SubQuestion No : 16
Q. 16 Select the most appropriate synonym of the word surges stated in para1 of the given passage.
Ans
X1. Diminishes
X 2. Contracts
3. Gushes

X4. Decreases


## Comprehension:

Coral reefs are vital to both human societies and the ocean's ecosystem-they protect shorelines from storm surges and erosion and serve as nurseries for marine life. They're also frighteningly imperiled by warming waters, which produce conditions that turn them a ghostly white and expose them to a blanket of algae. That's what Kim Cobb saw one day in 2016 when she swam up to the reef in the central Pacific's Line Island chain that she'd been studying for 18 years. A heat wave had killed or bleached 95 per cent of the corals. "It was carnage," the Georgia Tech climate scientist recalls. Disturbances like pollution and fishing are relatively limited in the vicinity of the research site, so Cobb felt rising ocean temperatures were the likely culprit. The impact has already been devastating, she says, adding, "I can't even imagine what it would look like at 2 degrees Celsius."
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SubQuestion No : 17
Q. 17 Select the most appropriate synonym of the word erosion stated in para1 of the given passage.
Ans
X 1. Increase
X 2. Buildup
3. Attrition

X 4. Gain


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SubQuestion No: 18
Q. 18 Select the most appropriate synonym of the word imperiled stated in para1 of the given passage.
Ans
$X 1$. Sheltered
X 2. Protected
3. Endangered

X4. Preserved


## Comprehension:

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SubQuestion No : 19
Q. 19 Select the most appropriate synonym of the word bleached stated in para 1 of the given passage.
Ans

- 1. Coloured

X 2. Brunet
3 3. discoloured
X4. Hued


## Comprehension:

Coral reefs are vital to both human societies and the ocean's ecosystem-they protect shorelines from storm surges and erosion and serve as nurseries for marine life. They're also frighteningly imperiled by warming waters, which produce conditions that turn them a ghostly white and expose them to a blanket of algae. That's what Kim Cobb saw one day in 2016 when she swam up to the reef in the central Pacific's Line Island chain that she'd been studying for 18 years. A heat wave had killed or bleached 95 per cent of the corals.
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SubQuestion No : 20
Q. 20 Select the most appropriate synonym of the word vicinity stated in para2 of the given passage.
Ans

1. Neighbourhood

X 2. Remoteness
$X$ 3. Removal
X 4. Distance

## Comprehension:

Read the given passage and answer the questions that follow.
No other nation can produce a book collector on quite the heroic scale of Sir Thomas Philips (1792-1872), who in 50 years amassed the greatest private library the world has ever seen, spending on it some $£ 250,000$ (add two noughts for inflation). Few other nations can produce such dedicated book loonies as Bernard Levin, who has been advised that should he ever be rash enough to display on shelves the tons of books he has amassed so far, he would assuredly bring the walls of his London apartment crashing about his ears.

SubQuestion No : 21
Q. 21 Fill in the blank with the correct information from the passage:

Sir Thomas amassed the greatest private library the world has ever seen, spending on it some $\qquad$ -.
Ans
X 1.£350,000
X 2. £550,000

- 3 . $£ 250,000$

X4.£150,000

## Comprehension:

Read the given passage and answer the questions that follow.
No other nation can produce a book collector on quite the heroic scale of Sir Thomas Philips (1792-1872), who in 50 years amassed the greatest private library the world has ever seen, spending on it some $£ 250,000$ (add two noughts for inflation). Few other nations can produce such dedicated book loonies as Bernard Levin, who has been advised that should he ever be rash enough to display on shelves the tons of books he has amassed so far, he would assuredly bring the walls of his London apartment crashing about his ears.

SubQuestion No : 22
Q. 22 Fill in the blank with the correct information from the passage: Few other nations can produce such dedicated book loonies as $\qquad$ .
Ans
X 1. Leonard Cohen
X 2. Sir Philip
X 3. Sir Thomas
4. Bernard Levin

## Comprehension:

Read the given passage and answer the questions that follow.
No other nation can produce a book collector on quite the heroic scale of Sir Thomas Philips (1792-1872), who in 50 years amassed the greatest private library the world has ever seen, spending on it some $£ 250,000$ (add two noughts for inflation). Few other nations can produce such dedicated book loonies as Bernard Levin, who has been advised that should he ever be rash enough to display on shelves the tons of books he has amassed so far, he would assuredly bring the walls of his London apartment crashing about his ears.

SubQuestion No : 23
Q. 23 Read the passage and answer the following question:

Who can produce a book collector on quite the heroic scale of Sir Thomas Philips?
Ans
X 1. A few nations
X 2. All nations
3. No other nation

X 4. Very few nations

## Comprehension:

Read the given passage and answer the questions that follow.
No other nation can produce a book collector on quite the heroic scale of Sir Thomas Philips (1792-1872), who in 50 years amassed the greatest private library the world has ever seen, spending on it some $£ 250,000$ (add two noughts for inflation). Few other nations can produce such dedicated book loonies as Bernard Levin, who has been advised that should he ever be rash enough to display on shelves the tons of books he has amassed so far, he would assuredly bring the walls of his London apartment crashing about his ears.

SubQuestion No : 24
Q. 24 Fill in the blank with the correct information from the passage: Levin has been warned never to display his humungous collection of books on shelves, as their weight could bring $\qquad$ _.
Ans

1. the ceiling of his apartment crashing about his ears
2. the walls of his London apartment crashing about his ears
3. the kitchen and reading room crashing about his ears

X 4. the adjacent balcony crashing about his ears

## Comprehension:

Read the given passage and answer the questions that follow.
No other nation can produce a book collector on quite the heroic scale of Sir Thomas Philips (1792-1872), who in 50 years amassed the greatest private library the world has ever seen, spending on it some $£ 250,000$ (add two noughts for inflation). Few other nations can produce such dedicated book loonies as Bernard Levin, who has been advised that should he ever be rash enough to display on shelves the tons of books he has amassed so far, he would assuredly bring the walls of his London apartment crashing about his ears.

SubQuestion No : 25
Q. 25 Fill in the blank with the correct information from the passage:

Sir Thomas Philips in $\qquad$ years amassed the greatest private library.
Ans
$\times 1.60$
$\times 2.40$
$\times 3.30$

- 4.50


## Section : Quantitative Aptitude

Q. 1 A man can row a boat at $10 \mathrm{~km} / \mathrm{h}$ in still water. If the speed of the stream is $7 \mathrm{~km} / \mathrm{h}$, what is the time taken to row a distance of 85 km down the stream?
Ans
1.5 hours

X2. 4 hours
X 3.6 hours
X4.3hours
Q. 2 A hemisphere has 14 cm diameter. Find its volume.

Ans
$\times 1.818 .60 \mathrm{~cm}^{3}$
$\times 2.650 .50 \mathrm{~cm}^{3}$
X $3.790 .20 \mathrm{~cm}^{3}$

- $4.718 .67 \mathrm{~cm}^{3}$
Q. 3 The present population of a city is $\mathbf{6 0 , 0 0 0}$. If the rate of increase is $\mathbf{1 0 \%}$ per year, find the population of the city after 2 years.

Ans

- 1.72600
$\times 2.71600$
X 3.72000
X4.70600
Q. 46 men earn as much as 7 women, 2 women earn as much as 3 boys, 4 boys earn as much as 5 girls. If 5 girls earn Rs. 400 a week, how much does a man earn in a week?
Ans
<1.Rs. 195

2. Rs. 175

X 3.Rs. 200
X4.Rs. 180
Q. 5 The bodyweight of eight members of a club is recorded as $69 \mathrm{~kg}, 63 \mathrm{~kg}, 72 \mathrm{~kg}, 76 \mathrm{~kg}$, $82 \mathrm{~kg}, 93 \mathrm{~kg}, 59 \mathrm{~kg}$, and 55 kg . What is the average body weight of all the eight members?

Ans
1.71 .13 kg

X 2.61 .13 kg
X 3.75 .15 kg
Х 4.73 .50 kg
Q. 6 On selling 2800 school bags, Anita earns a profit equal to the sale price of 420 school bags. What is the gain percentage that Anita earned? Note: round off to two decimal places
Ans
X 1.15.85\%
X 2. 20.5\%
X 3.18.57\%
2. $17.65 \%$
Q. 7 If $X$ and $Y$ have incomes in the ratio 5:3 and expenditures in the ratio 3:1 and each one of them saves $₹ 27,000$, then what is the income of $X$ ?
Ans $\times 1$. ₹ 68,500
2. ₹70,000
3. ₹ 67,500
4. ₹69,500
Q. 8 If the market price of a bedsheet is $24 \%$ above the cost price and a discount of $15 \%$ is declared on it, then find the gain percentage.

Ans

1. $5.3 \%$

X2. $5.1 \%$
$\times$ 3. $5.2 \%$

- 4. $5.4 \%$
Q. 9 If $23 \%$ of ' $x$ ' is 46 , then ' $~ x$ ' is $\qquad$ -
Ans $\times 1.100$
$\times 2.400$

3. 300
4. 200
Q. 10 The third proportional to $7 \frac{1}{5}$ and 11 is:

Ans

- $1.16 \frac{29}{36}$
$\times 2.15 \frac{29}{36}$
X $3.16 \frac{31}{36}$
$\times 4.16 \frac{19}{36}$
Q. 11 Find the simplest value of $5 \frac{2}{3} \times 2 \frac{1}{6}-2 \frac{1}{3}$.

Ans
$\times 1.7 \frac{13}{18}$
$\times 2.8 \frac{17}{18}$
2. $9 \frac{17}{18}$

X4. $9 \frac{17}{20}$
Q. 12 Raju can complete a piece of job in 15 hours, Vinay in 20 hours and Vardhan in 30 hours. If they work together and they are paid Rs.7,200 for the job, then what amount would Vinay receive?
Ans
X 1. Rs.1,600
X 2. Rs.4,000
3. Rs.3,200
4. Rs.2,400
Q. $13 P$ and $Q$ can do a piece of work in 36 days, $Q$ and $R$ can do it in 60 days, and $P$ and $R$ can do it in 45 days. When $P, Q$ and $R$ work together, how much work is finished by them in 5 days?
Ans

1. $\frac{1}{10}$

X2. $\frac{1}{8}$
X $3 . \frac{1}{5}$
2. $\frac{1}{6}$
Q. 14 The perimeter of the rectangle is 280 m and the difference between its two sides is 40 m . Find the side of a square whose area is equal to the area of this rectangle.

Ans
X 1. $45 \sqrt{6} \mathrm{~m}$
2. $30 \sqrt{5} \mathrm{~m}$
$\times$ 3. $30 \sqrt{6} \mathrm{~m}$
X4. $45 \sqrt{5} \mathrm{~m}$
Q. 15 Ram buys 13 balls for Rs. 390 and sells them at the rate of Rs. 33 per ball. Find his gain percentage.
Ans
$\times 1.11 .5 \%$
2. $10 \%$

X 3. 10.5\%
$\times 4.11 \%$
Q. 16 A person covers a distance of 40 km by bus in 70 mins. After deboarding the bus, he took a rest for 40 mins and covered another 20 km by taxi in 40 mins. Find his average speed for the whole journey.
Ans
X $1.26 \mathrm{~km} / \mathrm{h}$
X2. $34 \mathrm{~km} / \mathrm{h}$
X $3.20 \mathrm{~km} / \mathrm{h}$
2. $24 \mathrm{~km} / \mathrm{h}$
Q. 17 In an election, there were three candidates - A, B and C. The winner, A, got five times the votes received by C. B got 240 votes which was 1.5 times the votes of $C$. How many total votes were polled in the election if there were no bogus votes?
Ans
X 1.1500
$\times 2.1400$
$\times 3.1600$
4. 1200
Q. 18 A bus covers the first 80 km at a speed of $40 \mathrm{~km} / \mathrm{h}$. It covers the next 100 km at a speed of $50 \mathrm{~km} / \mathrm{h}$. What is its average speed?
Ans
, $1.45 \mathrm{~km} / \mathrm{h}$
X $2.42 \mathrm{~km} / \mathrm{h}$
X $3.44 \mathrm{~km} / \mathrm{h}$
X $4.46 \mathrm{~km} / \mathrm{h}$
Q. 19 At a college NSS camp, there is food provisions for 320 students for 38 days. If 60 more students join the NSS camp on the first day itself, then for how many days will the provisions last?
Ans
$\times 1.34$
$\times 2.35$
$\times 3.33$

- 4.32
Q. 20 Which least number should be subtracted from 5825 to make it a perfect square?

Ans
$\times 1.48$
$\times 2.42$

- 3.49
$\times 4.46$
Q. 21 A man invested a total of Rs. 16,50,000 in the names of his two daughters aged 15 years and 17 years, respectively, such that they get equal amounts when they are 20 years old. If the rate of interest is $25 \%$ per annum, compounded annually, then how much money (in Rs., to the nearest tens) should be deposited in the name of his younger daughter?

Ans
X 1.8,54,650
X 2. 7,23,600
X 3.9,30,640

- $4.6,43,900$
Q. 22 If the selling price of 10 chairs is the same as the cost price of $\mathbf{8}$ chairs, find the loss percentage.
Ans
X $1.22 \%$
X2.18\%
2.20\%

X4.15\%
Q. 23 Find the simple interest on Rs.3,500 at 10\% p.a. for 7 years.

Ans

1. Rs. 2,450

X 2. Rs.2,500
X 3. Rs.3,000
X4.Rs.2,050
Q. 24 If the MP is Rs.650/- and discount is $10 \%$, then the SP is $\qquad$
Ans
X 1.Rs. 685
2. Rs. 689
3. Rs. 585

X4.Rs. 589
Q. 25 What is the average of the following numbers?
20.54, 11.51, 13.71, 18.31, 17.53

Ans
$\times 1.18 .35$
X2. 32.10
2. 16.32
4. 21.62
Q. 1 'Bibi ka Maqbara' at Aurangabad is situated in which of the following states of India?

Ans
X 1. Madhya Pradesh
X 2. Rajasthan
3. Maharashtra

X4. Punjab
Q. 2 The 'Blood Sugar' disease is also known as:

Ans $\times 1$. Low blood pressure
X 2. High blood pressure
X 3. Cancer
4. Diabetes
Q. 3 Which of the following classical dance forms was patronised by the Nawab of Awadh, Wajid Ali Shah?
Ans
X 1. Odissi
2. Manipuri

X 3. Kuchipudi

- 4. Kathak
Q. 4 Who among the following court poets of Samudragupta, wrote poetic appreciations for him during the Gupta period?
Ans

1. Harishena
2. Shudraka
3. Kalidasa
4. Visakhadutta
Q. 5 Who contributed in the development of the periodic table?

Ans
X 1. Gregor Mendel
2. J J Thomson
3. Isaac Newton
4. Dmitri Mendeleev
Q. 6 Ali Akbar Khan was associated with which instrument?

Ans
X 1. Flute
2. Sarod

X 3. Sitar
X 4. Drums
Q. 7 Which of the following statements is correct about nutrients?

Ans $\times 1$. Nutrients are required only in small amount.
X 2. Fat is the only nutrient rich food.
3. Nutrients are molecules that all organisms need for growth, development and
reproduction.
Х 4. Nutrients are not necessary for energy generation.
Q. 8 The $35^{\text {th }}$ Summer Olympics will be held in $\qquad$ .
Ans

1. Australia
$X$ 2. The US
X 3. Brazil
X 4. South Africa
Q. 9 Which of the following national festivals is celebrated to mark the day when the Constitution of India came into effect?
Ans
2. Republic Day

X 2. National Youth Day
X 3. Voters' Day
-
4. Independence Day
Q. 10 In which of the following years did Turkish ruler, Timur Lang invade India?

Ans
$\times 1.1387$
2. 1398

X 3.1412
X4. 1407
Q. 11 Who is the $15^{\text {th }}$ Chief Minister (CM) of Assam appointed on 10 May 2021?

Ans
X 1. Sarbananda Sonowal
X 2. Prafulla Kumar Mahanta
X 3. Ripun Bora
4. Dr Himanta Biswa Sarma
Q. 12 Under the Regulating Act, 1773, in which of the following places was the Supreme Court established in British India?
Ans
X 1. Bombay
X 2. Delhi
X 3. Madras
4. Calcutta
Q. 13 Which of the following is NOT a Fundamental Duty?

Ans $\quad \times 1$. Develop the scientific temper
2. Pay tax on time

X 3. Respect National Flag and the National Anthem
4. To defend the country and render national service when called upon to do so
Q. 14 Which of the following leaders is also known as 'Frontier Gandhi'?

Ans
X 1. Abul Kalam Azad
X 2. Jawaharlal Nehru
3. Khan Abdul Ghaffar Khan

X 4. Vallabhbhai Patel
Q. 15 At the AIBA Youth World Boxing Championships - 2021, India ranked $\qquad$ .
Ans $\times 1$. third
2 2. second
X 3. fourth
4. first
Q. 16 Temperature, pressure and humidity are the main components of:

Ans
X 1. desert
2. climate
$\times$ 3. eating habits
X 4. rainy forest
Q. 17 The western part of which river, along with its significant tributaries Sonanadi, Palain and Mandal, forms the prominent hydrological resource for the Corbett National Park?
Ans
X 1. Gandaki
X 2. Beas
X 3. Sutlej
4. Ramganga
Q. 18 Whose birth anniversary is celebrated as Non-Violence Day?

Ans 1. Mohandas Karamchand Gandhi
X 2. Mother Teresa
X 3. Nelson Mandela
X 4. Sardar Vallabhbhai Patel
Q. 19 What was the growth rate of India's population in the decade of 2001-2011?

Ans
X1. $12.22 \%$
$\times 2.15 .97 \%$

- 3. $17.64 \%$

X4. $21.61 \%$
Q. 20 Under which medieval dynasty was the Jamat Khana Masjid in Delhi constructed?

Ans
X 1. Mughal Dynasty
2. Khilji Dynasty

X 3. Lodi Dynasty
X 4. Tughlaq Dynasty
Q. 21 Who was the first Indian woman to write an autobiography?

Ans
X 1. Lakshmibai Tilak
X 2. Baby Halder
X 3. Kamala Das
4. Rassundari Devi
Q. 22 Which of the following states had a population density of $751-1000$ persons per $\mathrm{km}^{2}$ as per the 2011 census?
Ans
X 1. Tamil Nadu
2. Kerala

X 3. Maharashtra
X 4. Gujarat
Q. 23 The Election Laws (Amendment) Bill, 2021 seeks to designate 1 April, 1 July and 1 October as qualifying dates in addition to $\qquad$ for the enrolment of 18-yearolds as voters.
Ans

1. 1 January

X 2. 1 March
3. 1 May
4. 1 September
Q. 24 Thawarchand Gehlot was appointed as the Governor of $\qquad$ in July 2021.
Ans
X 1. Punjab
2. Gujarat
3. Karnataka
4. Goa
Q. 25 In India, where was the first jute mill set up near Kolkata in 1855 ?

Ans
X 1. Naihati
2. Icchapur
3. Hooghly
4. Rishra

