|  |  |
| :--- | :--- |
|  |  |
|  |  |
| 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
X3. 575

- 4.464
Q.2Select 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
X 3. DELOGHT
X4. 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
X 1. Mother's mother
2. Daughter's daughter
$\times 3$
3. Mother's father
4. Daughter
Q.4W hich letter-cluster will replace the question mark (?) to complete the given series?

XSMP, WTKR, VUIT, ?, TWEX
Ans
X 1. UVHW
2. UVGV
$X$ 3. UWHV
$X$ 4.UWFX
Q.5Two 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
$X$ 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.6Select 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 $2.6,3,4,2,1,5$
X $3,1,3,4,2,6,5$
X4.2,3,4,6,1,5
Q.7Which 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
X
4. HRLS
Q.8In a

H certain code language, 'FINE' is written as 'HKLC' and 'TOUR' is written as 'VQSP'.ow will 'MILK ' be written in that language?
Ans
X 1. KGNM
X 2. KGJI
X 3. OKNM
4. OKJI
Q.9In 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
X4. VERATL
Q.10Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter-series.
$A_{-} U S \_P R_{-} S A P U_{-} U_{-} R U$ _
Ans $X$ 1. PRAUSRPS
X 2. PRUARSPS
X 3. PRUAPSPS
4. PRAURSPS
Q.11Which letter cluster will replace the question mark (?) to complete the given series?

SVGQ, OCWD, ?, GQCD, CXSQ
Ans
X 1. LQJM
X 2. KCMS
3. KJMQ

X4. LDCP
Q. 12 T

A wo statements are given followed by three conclusions numbered I, II and III.ssuming the statements to be true, even if they seem to be at var commonly known facts, decide which of the conclusions logically follow(s) from the
statements.
Stateme
A nts:Il 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
3. All of the conclusions follow
4. 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
$X$ 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．15Which 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
$\times 2.12$ 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
$x_{1}$ e 7 人 $\boldsymbol{\partial} \boldsymbol{p h}$


х4．9「人Әрн
Q.17Based on m
a eaning/relevance of the words, News is related to Editor in the same ways Movie is related to $\qquad$ -

Ans
X 1. Lyricist
$X$ 2. Singer
$\times$ 3. Theatre
4. Director
Q.18In 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.19Which number will replace the question mark (?) in the following series?

2, 3, 6, 18, 108, ?
Ans
X 1.1620
$\times 2.1188$
$\times 3.648$
4. 1944

Question ID : 26433055291
Not Attempted and
Status: Marked For Review
Q.20Study 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
X1. 19
X 2.16
23. 18
$\times 4.17$
Q. 21 In ode langu

2 a cage, 'RAIN' is written as '18-1-9-14' and 'CLOUD' is written as '3-12-15-1-4'. How will 'WEATHER' be written in that language?
Ans
X 1. 23-5-8-20-1-5-
X 18 2. 23-5-1-21-9-

- 5-18 3. 23-5-1-20-

X 8-5-18 4. 23-6-1-
20-8-6-18
Q.22In 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
X 1.255
X 2.155
X3. 366

- 4.144
Q.23Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Insurance
2. Insomnia
3. Insufficient
4. Instalment
5. Inscription
6. Instrument

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

X 3, 2, 5, 4, 6, 3, 1
Х4.5,2,6,4, 3, 1
Q.24In a certain code language, 'FAN' is written as ' 63 ', and 'DEAR' is written as ' 112 '. How will ' $B A B Y$ ' be written in that language?
Ans
X 1.115
2. 120
$\times 3.130$
X 4.110

## Shubham Sir Maths

Q.25Poig to a per
m ntinson in a photograph, a man, Kabir, said, "She is the sister of myother's daughter's daughter." How is the person related to Kabir?
Ans

1. Sister's daughter
$X$ 2. Daughter
$X$ 3. Wife
$X$ 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
X 2. electroate
X 3. elektorate
4. electorate
Q.2Select the most appropriate meaning of the given idiom.

Out of spirits
Ans $\quad X 1$. 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
$X 1$. The officer challenged the court verdict.
2. The officer had challenged the court verdict.
$X$ 3. The officer has challenged the court verdict.
$X 4$. The officer was challenging the court verdict.

## Shubham Sir Maths

Q.4S
w elect the option that can be used as a one-word substitute for the given group ofords.
An official inspection of a company's, or individual's, accounts
Ans
X 1 . Survey
$\times 2$.
Documentation
X 3. Audit
4. Audition
Q.5Select 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.6Select the most appropriate ANTONYM of the underlined word.

Jack said he is unfortunate to win the jackpot.
Ans
$\chi$ 1. sensible
X 2.bad
$\times 3$.
untimely
4. lucky
Q.7Select 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. Currencies that can be paid only in gold

X 4. Cash that cannot be transformed into liquid cash
Q.8S elect the INCORRECTLY spelt word.

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

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

The criminal offered his testimony before the jury.
Ans

1. denial
$\times 2$.
$X$ deputation
X 3.time
2. 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
$\chi$ 1. narration
X 2. story
X 3. belief
3. 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

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.
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. $12 \mathrm{~S}_{\text {elect the the }}$ the appropriate synonym of the given word.

Distribute
Ans
$X$ 1. Practice
$X$ 2. Impress
$X$ 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
$X$ 4.cunning
Q.14Select 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.15Select the correctly spelt word to fill in the blank.

There can be maximum twelve light fittings on a $\qquad$ -.
Ans
$X$ 1. cirkit
$\times$ 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 $w$ hite 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.16Select the most appropriate synonym of the word surges stated in para1 of the given passage.
Ans
X 1. 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 $w$ hite 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 : 17
Q.17Select the most appropriate synonym of the word erosion stated in para1 of the given
passage.
Ans $\quad$ 1. Increase
X 2. Buildup
3. Attrition

X4. Gain

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 $w$ hite 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 : 18
Q.18Select the most appropriate synonym of the word imperiled stated in para1 of the given passage.
Ans
$X$ 1. Sheltered
X 2. Protected
3. Endangered

X 4. Preserved

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 $w$ hite 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 : 19
Q.19Select the most appropriate synonym of the word bleached stated in para 1 of the given passage.
Ans

1. Coloured

X 2. Brunet
X 3. discoloured
$X$ 4. 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 w hite 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 : 20
Q.20Select 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.21Fill 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 $\quad$ 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.22Fill 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.23Read the passage and answer the following question:

Who can produce a book collector on quite the heroic scale of Sir Thomas Philips?
Ans
$\chi$ 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.24Fill 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
X 1. the ceiling of his apartment crashing about his ears
2. the walls of his London apartment crashing about his ears

X 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.25Fill in the blank with the correct information from the passage:

Sir Thomas Philips in $\qquad$ years amassed the greatest private library.
Ans
X 1.60
$\times 2.40$
X 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
$\times 3.6$ hours
X4.3hours
Q.2A hemisphere has 14 cm diameter. Find its volume.

Ans
X1. 818.60
X cm3 2
$\times 650.50 \mathrm{~cm} 3$
3. $\quad 790.20$
cm3 4.
718.67 cm 3

Question ID : 2643306128
Status: 6 Answered
Q.3The present population of a city is 60,000 . If the rate of increase is $10 \%$ per year, find the population of the city after 2 years.

Ans

1. 72600
2. 71600
$\times 3.72000$
X4.70600
Q. 46 men
m earn as much as 7 women, 2 women earn as much as 3 boys, 4 boys earn asuch as 5 girls. If 5 girls earn Rs. 400 a week, how much does a man
Ans
X 1. Rs. 195
3. Rs. 175

X 3. Rs. 200
X 4. Rs. 180
Q.5The 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
× 4.73 .50 kg

Question ID : 2643306123
Status: 8 Answered
Chosen Option: 1
Q.6On 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 $\times 1.15 .85 \%$
X 2. 20.5\%
X 3.18.57\%
4. $17.65 \%$

Question ID : 26433063314
Q.7If $X$ 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
X 1. ₹68,500
X 2. ₹70,000
3. ₹67,500

X4. ₹69,500

Question ID : 2643305866
Status: 0 Answered
Q. 8 If th
d e market price of a bedsheet is $24 \%$ above the cost price and a discount of $15 \%$ iseclared on it, then find the gain percentage.
Ans
X1. $5.3 \%$
$x^{2 .} 5.1 \%$
$x^{3 .} 5.2 \%$
4. $5.4 \%$
Q. 9 If $23 \%$ of ' $x$ ' is 46 , then ' $x$ ' is $\qquad$ -

Ans $\times 1.100$
X2. 400
$\times 3.300$

- 4.200
Q. 10 The third proportional to $7 \frac{1}{5}$ and 11 is:

Ans
, 1. $16 \frac{29}{36}$
X2. $15 \frac{29}{36}$
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
X1. $7 \frac{13}{18}$
$\times 2.8 \frac{17}{18}$
3. $9 \frac{17}{18}$
$\times 4.9 \frac{17}{20}$
Q.12R can comp
$h$ ajulete a piece of job in 15 hours, Vinay in 20 hours and Vardhan in 30ours. If they work together and they are paid Rs. 7,200 for the job, then wh would Vinay receive?
Ans $\quad$ 1. Rs.1,600
X 2. Rs.4,000
X 3. Rs.3,200
4. Rs.2,400
Q.13P 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 $\mathrm{P}, \mathrm{Q}$ and R work together, how much work is finished by
them in 5 days?
Ans
$\times 1 . \frac{1}{10}$
$\times 2 . \frac{1}{8}$
$\times 3 . \frac{1}{5}$
ค. $\frac{1}{6}$
Q.14The 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. $30 \sqrt{5} \mathrm{~m}$
$x^{3 .} 30 \sqrt{6} \mathrm{~m}$
4. $45 \sqrt{5} \mathrm{~m}$
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
X $1.11 .5 \%$
2. $10 \%$

X 3.10.5\%
X4.11\%
Q.16Arson covers a distance of 40
to pekm by bus in 70 mins. After deboarding the bus, heok 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 $1.26 \mathrm{~km} / \mathrm{h}$
X $2.34 \mathrm{~km} / \mathrm{h}$
X $3.20 \mathrm{~km} / \mathrm{h}$

- $4.24 \mathrm{~km} / \mathrm{h}$
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
X2. 1400
X3. 1600
- 4.1200
Q.18A 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.19At 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.20Which least number should be subtracted from 5825 to make it a perfect square?

Ans
X 1.48
$\times 2.42$
-3. 49
$\times 4.46$
Q. 21 A
y man invested a total of Rs.16,50,000 in the names of his two daughters aged 15 ears and 17 years, respectively, such that they get equal amount 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 $\quad$ 1. 8,54,650
X 2. 7,23,600
X 3. 9,30,640
*. $6,43,900$
Q.22If the selling price of 10 chairs is the same as the cost price of 8 chairs, find the loss percentage.
Ans
X 1. 22\%
X 2. 18\%
3. $20 \%$

X4.15\%
Q.23Find 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
X 4.Rs.2,050
Q.24If the MP is Rs.650/- and discount is $10 \%$, then the SP is $\qquad$ .
Ans
X 1. Rs. 685
X 2. Rs. 689
3. Rs. 585

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

Ans
X 1.18 .35
$\times 2.32 .10$
3. 16.32
$\times 4.21 .62$
Q. 1 'B ibi ka Maqbara' at Aurangabad is situated in which of the following states of India?

Ans $\quad$ 1. Madhya Pradesh
X 2. Rajasthan
3. Maharashtra

X 4. Punjab
Q.2The 'Blood Sugar' disease is also known as:

Ans
X 1. Low blood pressure
X 2. High blood pressure
X 3. Cancer
4. Diabetes
Q.3Which of the following classical dance forms was patronised by the Nawab of Awadh,

Wajid Ali Shah?
Ans
X 1 . Odissi
X 2. Manipuri
X 3. Kuchipudi
4. Kathak
Q.4Who among the following court poets of Samudragupta, wrote poetic appreciations for him during the Gupta period?

Ans

1. Harishena

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

Ans
X 1. Gregor Mendel
X 2.JJThomson
$X$ 3. Isaac Newton
4. Dmitri Mendeleev
Q.6A li Akbar Khan was associated with which instrument?

Ans

1. Flute
2. Sarod
$\times 3$. Sitar
X 4. Drums
Q.7Which of the following statements is correct about nutrients?

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

1. Australia
$X$ 2. The US
X 3. Brazil
X 4. South Africa
Q.9Which 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
X 4. Independence Day
Q. 10 In which of the following years did Turkish ruler, Timur Lang invade India?

Ans
X 1.1387
2. 1398
$\times 3.1412$
X4. 1407
Q. $11 \mathrm{~W}_{\text {ho }}$ 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.12Under 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.13Which of the following is NOT a Fundamental Duty?

Ans $\quad$ 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.14Which of the following leaders is also known as 'Frontier Gandhi'?

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

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

Ans $\quad \boldsymbol{X}$ 1.desert
2. climate
$X$ 3. eating habits
$X$ 4. rainy forest
Q.17The 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.19What was the growth rate of India's population in the decade of 2001-2011?

Ans
X 1. 12.22\%
$\times 2.15 .97 \%$

- ${ }^{3 .} 17.64 \%$
$x^{4 .} 21.61 \%$
Q.20Under which medieval dynasty was the Jamat Khana Masjid in Delhi constructed?

Ans
X 1. Mughal Dynasty
$\checkmark 2$
2. Khilji Dynasty

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

Ans $\quad$ 1. Lakshmibai Tilak
$X$ 2. Baby Halder
X 3. Kamala Das
4. Rassundari Devi
Q.22Which of the following states had a population density of 751-1000 persons per km2
as per the 2011 census?
Ans
$X$ 1. Tamil Nadu
2. Kerala
$X$ 3. Maharashtra
X 4. Gujarat
Q.23The 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 -year-
olds as voters.
Ans

1. 1 January
2.1 March
$X 3.1$ May
2. 1 September
Q.24Thawarchand Gehlot was appointed as the Governor of $\qquad$ in
July 2021.
Ans
$X$ 1. Punjab
$X$ 2. Gujarat
3. Karnataka

X 4. Goa
Q.25In India, where was the first jute mill set up near Kolkata in 1855 ?

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

