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| Exam Date | $03 / 08 / 2022$ |
| Exam Time | 5:15 PM - 6:15 PM |
| Subject | Selection Post Phase $X$ Higher Secondary Level |

## Section: General Intelligence

Q. 1 In this question, three statements are given, followed by two conclusions numbered
and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusion(s) logically follow(s) from the
statements
Statements:
All cakes are pastries.
Some pastries are chocolates.
All chocolates are biscuits.
Conclusions:
I. Some biscuits are pastries.
II. All cakes are chocolates.

Ans1. Only conclusion II follows.
2. Both conclusions I and II follow.

X 3. Neither conclusion I nor II
follows. 4. Only conclusion I follows.
Q.2Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
17 * 4 * 6 * 2 * $4=9$
Ans
X1. $-\times+\div$
$\times 2 . \times \div+-$
$v^{3 .}+-\div x$
4. $_{4}+\div \times$
Q. 3 In

I, this question, three statements are given, followed by three conclusions numbered II and III. Assuming the statements to be true, even if they with commonly known facts, decide which of the conclusion(s) logically follow(s) from
the statements.
Statements:
S ome mugs are jars.
All jars are bottles.
All glasses are mugs.
Conclusions:
I. All glasses are jars.
II. Some glasses are bottles.
III. Some mugs are bottles.

Ans
X 1 . Only conclusions I and III follow.
X 2. Only conclusions II and III
follow. 3. Only conclusion III
$X$ follows.
4. Only conclusion I follows
Q.4In a code language, 'FINGER' is coded as GJOFDQ and 'KIDNEY' is coded as LJEMDX.

How will 'MUSCLE' be coded in the same language?
Ans

1. NVTBKD

X 2. MURBKD
X 3. nVRBLD
X4. NUTCKD
Q.5Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
GARLIC : IZTNHE :: ONIONS : NPHNPU :: CARROT : ?
Ans

1. EZTTNV

X 2. EATTNV
X 3. BBQQPU
X 4. EZTTPV
Q.6Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(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.)
$(31,4,47)$
$(17,8,81)$
Ans

1. (19, 11,
41) 2. $(2,12$,

X 16) 3. (23, 7,
30) 4. $(19,5$,
44)
Q.7In a coe
'D d language, 'ROSE' is coded as 228 and 'TULIP' is coded as 390 . How willAHLIA' be coded in the same language?
Ans
X 1.140
X 2. 105
X 3.320

- 4.210
Q.8Which of the following letter-clusters will replace the question mark (?) in the given
series?
GEA, IFB, LHA, QKB, XOA, ?
Ans $\quad \times 1$. ISB
X 2. HUB
X 3. НTB

4. ITB

Question ID : 2643305719
Status: 4 Answered
Chosen Option: 4
Q.9Select the option that is related to the fifth letter-cluster in the same way as the second
letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related
to the third letter-cluster.
MOBILE : CPNFMJ :: PHONES : PIQTFO :: CHARGE : ?
Ans
$X$ 1. BIFDHS
X 2. BIDFSH
3. BIDFHS

X4. BIEFHS
Q. 10 In a code language, 'COUCH' is coded as FLXZK and 'TABLE' is coded as WXEIH. How will 'CHAIR' be coded in the same language?
Ans
X 1. FEDEU
2. FEDFU

X 3. EFDEU
X4.EFDFV
Q. 11 Wh ho
s ic $f$ the following letter-clusters will replace the question mark (?) in the giveneries?
JV, MU, OT, RS, TR, ?
Ans

1. WQ

X 2. XQ
$X$ 3. $Y Q$
X 4. WR
Q. 12 Two dimensions of the same dice are given. What letter will be on the face opposite to the face having the letter E ?


Ans
X1. ${ }^{\text {c }}$
2. D

X3.F
$\times 4 . \mathrm{A}$
Q.13In a certain code language, 'TEA' is coded as 78, and 'SHAKE' is coded as 220. How will 'COFFEE' be coded in that language?
Ans
X 1.200
X2. 340
X 3.160

- 4.240
Q.14In a code language, 'CAKE' is coded as 64, and 'WAFER' is coded as 125 . How will
'BISCUIT' be coded in the same language?
Ans

1. 343
$\times 2.210$
$\times 3.392$
X4.255
Q. 15 Select the figure from among the given options that can replace the question mark (?) in the following series.


Ans

Q. 16 The following figures show the sequence of folding a piece of paper. The last figure shows the manner in which the folded paper has been cut. Choose a figure which would most closely resemble the unfolded form of the paper.
0


Ans

Q. 17 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below.

Choose a figure which would most closely resemble the unfolded form of the paper.


Ans

$\times 2$

$\times 3$


Q.18'P @ Q' means 'P is the husband of Q'
'P \& $Q^{\prime}$ means ' $P$ is the wife of $Q^{\prime}$
' $P$ \% $Q$ ' means ' $P$ is the mother of $Q$ '
'P\#Q' means ' $P$ is the father of $Q$ '
If ' R @ $\mathrm{S} \% \mathrm{~T} \& \mathrm{U} \# \mathrm{~V}$ ', then how is R related to U?
Ans
X1. Father's
$X$ father 2. Father
3. Father-in-law

X 4. Brother
Q.19Select the correct option that indicates the arrangement of the following words in a
lo gical and meaningful order.

1. Lung
2. Kidney

3 Tongue
4 .. Eyes
5. Nose

Ans
X1.2,5, 4, 3, 1
X 2. 2, 3, 5, 1, 4
2. 2, 1, 3, 5, 4

X4.3,1,2,4, 5
Q.20Select the option that represents the correct order of the given words as they would
appear in an English dictionary.

1. Imperceptible
2. Imperialism
3. Impersona
4. Imperative
5. Imperfect

Ans
X1.3,5,1, 4, 2
2. 4, 1, 5, 2, 3

X 3.2, 4, 5, 1, 3
X4.1,2,3,4, 5
Q. 21 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.
HOUSE : GRPUF :: LOTUS : KROWT :: LEMON : ?
Ans
X 1. LIHQO
X 2. LHHQO
X 3. KIHQO
4. KHHQO
Q.22Select 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.
BELL : IOBE :: STOP : MRQV :: ARCS : ?
Ans

1. PFOD
$X$ 2. PFNC
X 3. QGOD4. QGNC
Q.23I ith
$h$ se father of $L$. $L$ and $K$ are the children of $M . L$ is the husband of $N . O$ is theusband of $K . P$ is the son of $O$. How is $I$ related to $P$ ?
Ans
$\times 1$. Father
$X$ 2. Brother
X 3. Father's father
2. Mother's father
Q.24In a certain code language, 'FINAL' is written as 'GHPNY' and 'VISIT' is written as
'GXUVG'. How will 'GROUP' be written in that language?
Ans
X 1. IEMWS
X 2. PISMR
X 3. PIRMS
3. PIQRS

Question ID : 26433057272
Status: Not Answered
Chosen Option: --
Q.25Which of the following numbers will replace the question mark (?) in the given series?

213, 199, 235, 221, 257, 243, ?
Ans $\times 1.271$
X2. 265
X 3.281

- 4.279


## Section : English Language

Q.1Select the option that expresses the given sentence in indirect speech.

Raman said, "Let us enjoy some snacks."
Ans
X 1. Raman said that they will enjoy some snacks.
2. Raman proposed that they should enjoy some snacks.

X 3. Raman suggested that let they be enjoyed some snacks.
4. Raman said that let us enjoy some snacks.
Q.2Select the INCORRECTLY spelt word.

Ans

1. Capasity

X 2. Library
X 3. Advocate
X 4. Imagination
Q. 3 S
t entences of a paragraph are given below in jumbled order. Arrange the sentences inhe correct order to form a meaningful and coherent parag
A. He had a tiny room in a basement, the one window of which looked out on to the street.
B . There was hardly a pair of boots in the neighbourhood that had not been once or
twice through his hands.
C. In a certain town there lived a cobbler, Martin Avdeitch by name.
D. Through it one could see the feet of those who passed by, but Martin recognised the
people by their boots.
Ans

1. CADB
$X$ 2. CBDA
X 3. CDBA
X 4.CABD
Q.4Select the option that expresses the given sentence in indirect speech.

Sunny's parents said to her, "Do not take anything from strangers."
Ans $\quad$ 1. Sunny's parents asked her do not take anything from strangers.
Х 2. Sunny's parents said to her that do not take anything from strangers.
3. Sunny's parents advised her not to take anything from strangers.4. Sunny's parents told to her not to take anything from strangers.
Q.5Select the most appropriate option that can substitute the underlined segment in the given sentence.

I asked two people the way to Diana's house but no one of them knew it.
Ans
X 1. whether either of them knew
$X$ it 2. if none of them knew it
3. that no one of them knew it
4. but neither of them knew it
Q.6Select the most appropriate ANTONYM of the given word.

Frail
Ans $\quad X$ 1. Brittle
2. Stout
$X$ 3. Horrible
$\times$
4. Precarious
Q. 7 S elect the most appropriate meaning of the underlined word in a sentence.

He appealed to the laws of the land to vindicate from his assailants.
Ans
$X$ 1. prove
2. exonerate
$X$ 3.banish
$X$ 4.assess
Q.8Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I'll try to phone you in the meeting. _
Ans $\quad X$ 1. at the meeting
2. during the meeting
$X$ 3. in meeting
$X$ 4. No substitution required
Q.9Select the option that expresses the given sentence in direct speech.

She said that she had already eaten her dinner.
Ans
$X$ 1. She said, "I am already eating my dinner."
$X$ 2. She said, "I had my dinner."
3. She said, "I have already eaten my dinner."

X 4. She said, "I had already ate my dinner."
Q.10Select the most appropriate option to substitute the underlined segment in the given sentence.

The magazine teaches parents how to behaves towards children.
Ans
X 1. how should behave towards
$\chi$ their 2. how will behave towards
X 3. how to behaving their
4. how to behave towards
Q. 11 S elect the option that expresses the given sentence in passive voice.

What makes you nervous before exams?
Ans
$X 1$. Why exams are making you nervous?
$X$ 2. Why do exams make you nervous?
3. By what are you made nervous before exams?4. How is nervousness caused before exams?
Q. 12 Select the most appropriate meaning of the underlined idiom.

His grandfather always laughs like a drain.
Ans
$X$ 1. Laugh bitterly
$X$ 2. Laugh fearfully
$X$ 3. Laugh silently
4. Laugh loudly
Q.13Select the most appropriate meaning of the underlined idiom in the given sentence.

In his speech on dowry, he set forth his views at length.
Ans
$X_{1 . r a n}$
X 2. started
3. explained
$X 4$. hid
Q.14Select the option that can be used as a one-word substitute for the given group of words.
One who is extravagantly romantic, chivalrous and impractical.
Ans
$X$ 1. Blonde
2. Quixotic
$X$ 3. Teetotaler
X 4. Virago
Q. 15 S elect the correct superlative degree of comparison for the given sentence.

This is one of the beautiful places in the area.
Ans

1. This is one of the most beautiful places in the area.

2 2. This is one of the more beautiful places in the area.
$\times$ 3. This is one of the beautiful places in the area.
$\times 4$. This is a beautiful place in the area.

## 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.
Thousands of persons must (1) $\qquad$ the same thing to her since, but I happened to be the first in the line. Anyone likes to hear flattering sentiments, and more than others, I suppose, dancers. They like (2) $\qquad$ every hour of the day how well they keep their steps. I praised her art whenever I could (3) $\qquad$ alone with her and whisper in her ear, out of range of that husband of hers. Oh, what a man! I have not met a more grotesque creature in my life. Instead of calling herself Rosie, she could more logically (4) him Marco Polo. He dressed like a man about to undertake an expeditionwith his thick coloured glasses, thick jacket and a thick helmet over which was perpetually stretched a green, shiny waterproof cover, giving him the appearance of a space traveller. I have, of course, no idea of the original Marco Polo's appearance, but I wanted to call this man Marco (5) $\qquad$ , and I have not bothered to associate him with any other name since.

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

Ans

1. have said
2. says
$X$ 3.saying
X 4.said

## 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.
Thousands of persons must (1) $\qquad$ the same thing to her since, but I happened to be the first in the line. Anyone likes to hear flattering sentiments, and more than others, I suppose, dancers. They like (2) ______ every hour of the day how well they keep their steps. I praised her art whenever I could (3) _______-_ alone with her and whisper in her ear, out of range of that husband of hers. Oh, what a man! I have not met a more grotesque creature in my life. Instead of calling herself Rosie, she could more logically (4) him Marco Polo. He dressed like a man about to undertake an expeditionwith his thick coloured glasses, thick jacket and a thick helmet over which was perpetually stretched a green, shiny waterproof cover, giving him the appearance of a space traveller. I have, of course, no idea of the original Marco Polo's appearance, but I wanted to call this man Marco (5) $\qquad$ , and I have not bothered to associate him with any other name since.

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

Ans
$X$ 1. told
$X$ 2.tel
3. to be told
$X$ 4. to have told

## 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.
Thousands of persons must (1) $\qquad$ the same thing to her since, but I happened to $b$ e the first in the line. Anyone likes to hear flattering sentiments, and more than others, I suppose, dancers. They like (2) $\qquad$ every hour of the day how well they keep their steps. I praised her art whenever I could (3) $\qquad$ alone with her and whisper in her ear, out of range of that husband of hers. Oh, what a man! I have not met a more grotesque creature in my life. Instead of calling herself Rosie, she could more logically (4)
him Marco Polo. He dressed like a man about to undertake an expeditionwith his thick coloured glasses, thick jacket and a thick helmet over which was perpetually stretched a green, shiny waterproof cover, giving him the appearance of a space traveller. I have, of course, no idea of the original Marco Polo's appearance, but I wanted to call this man Marco (5) $\qquad$ and I have not bothered to associate him with any other name since.

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

Ans $\quad$ 1. snatches a moment
X 2. snatched a moment
3. snatch a moment
4. have snatched a moment

## 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.
Thousands of persons must (1) $\qquad$ the same thing to her since, but I happened to be the first in the line. Anyone likes to hear flattering sentiments, and more than others, I suppose, dancers. They like (2) _______ every hour of the day how well they keep their steps. I praised her art whenever I could (3) $\qquad$ alone with her and whisper in her ear, out of range of that husband of hers. Oh, what a man! I have not met a more grotesque creature in my life. Instead of calling herself Rosie, she could more logically (4)
him Marco Polo. He dressed like a man about to undertake an expeditionwith his thick coloured glasses, thick jacket and a thick helmet over which was perpetually stretched a green, shiny waterproof cover, giving him the appearance of a space traveller. I have, of course, no idea of the original Marco Polo's appearance, but I wanted to call this man Marco (5) $\qquad$ , and I have not bothered to associate him with any other name since.

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

Ans
$X$ 1. called
X 2. had called
3. have called

X 4. been called

## Shubham Sir Maths

## 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.
Thousands of persons must (1) $\qquad$ the same thing to her since, but I happened to $b$ e the first in the line. Anyone likes to hear flattering sentiments, and more than others, I suppose, dancers. They like (2) $\qquad$ every hour of the day how well they keep their steps. I praised her art whenever I could (3) $\qquad$ alone with her and whisper in her ear, out of range of that husband of hers. Oh, what a man! I have not met a more grotesque creature in my life. Instead of calling herself Rosie, she could more logically (4)
him Marco Polo. He dressed like a man about to undertake an expeditionwith his thick coloured glasses, thick jacket and a thick helmet over which was perpetually stretched a green, shiny waterproof cover, giving him the appearance of a space traveller. I have, of course, no idea of the original Marco Polo's appearance, but I wanted to call this man Marco (5) $\qquad$ and I have not bothered to associate him with any other name since.

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

Ans

1. at first sight

X 2. over first sight
X 3. on first sight
X 4. in first sight

Comprehension:
Read the given passage and answer the questions that follow.
Rao kept his important papers stacked in an almirah, which he kept locked, and the key hidden under a lining paper in another cupboard where he kept his clothes and a few odds and ends, and the key of this second cupboard also was hidden somewhere, so that no one could have access to the two cupboards, which contained virtually all the clues to his life. Occasionally on an afternoon, at his hour of clarity and energy, he'd leave his easy-chair, bolt the door and open the first cupboard, take out the key under the paper lining, and then open the other cupboard containing his documents-title-deeds, diaries, papers and a will.

SubQuestion No: 21
Q.21Which of the following is most nearly similar in meaning to the phrase 'Odds and ends' as used in the passage?
Ans
X 1. Lost items of different types
2. Various things of different types
3. Precious items of different
$\chi$ types 4. Rare items of different types

## Comprehension:

Read the given passage and answer the questions that follow
Rao kept his important papers stacked in an almirah, which he kept locked, and the key hidden under a lining paper in another cupboard where he kept his clothes and a few odds a nd ends, and the key of this second cupboard also was hidden somewhere, so that no one could have access to the two cupboards, which contained virtually all the clues to his life. Occasionally on an afternoon, at his hour of clarity and energy, he'd leave his easy-chair, bolt the door and open the first cupboard, take out the key under the paper lining, and then open the other cupboard containing his documents-title-deeds, diaries, papers and a will.

SubQuestion No : 22
Q.22What sort of papers were considered important by Rao?

Ans

1. Title-deeds, diaries, papers and a will

X 2. Love letters
X 3. Bank passbooks
X 4. Share market papers

## Comprehension:

Read the given passage and answer the questions that follow.
Rao kept his important papers stacked in an almirah, which he kept locked, and the key hidden under a lining paper in another cupboard where he kept his clothes and a few odds and ends, and the key of this second cupboard also was hidden somewhere, so that no one could have access to the two cupboards, which contained virtually all the clues to his life. Occasionally on an afternoon, at his hour of clarity and energy, he'd leave his easy-chair, bolt the door and open the first cupboard, take out the key under the paper lining, and then open the other cupboard containing his documents-title-deeds, diaries, papers and a will.

SubQuestion No: 23
Q.23Which of the following is the most appropriate word to substitute the word 'stacked' as used in the passage?

Ans
X 1. Removed
X 2. Torn
3. Piled
4. Spoiled

## Comprehension:

Read the given passage and answer the questions that follow
Rao kept his important papers stacked in an almirah, which he kept locked, and the key hidden under a lining paper in another cupboard where he kept his clothes and a few odds and ends, and the key of this second cupboard also was hidden somewhere, so that no one could have access to the two cupboards, which contained virtually all the clues to his life. Occasionally on an afternoon, at his hour of clarity and energy, he'd leave his easy-chair, bolt the door and open the first cupboard, take out the key under the paper lining, and then open the other cupboard containing his documents-title-deeds, diaries, papers and a will.

SubQuestion No : 24
Q.24How did Rao ensure the safety of his important papers?

Ans $\quad$ 1. By putting them in the custody of his wife
X 2. By stacking them in a bank lockup
3. By stacking them in an almirah with lock and key

X 4. By getting them laminated

Comprehension:
Read the given passage and answer the questions that follow.
Rao kept his important papers stacked in an almirah, which he kept locked, and the key hidden under a lining paper in another cupboard where he kept his clothes and a few odds a nd ends, and the key of this second cupboard also was hidden somewhere, so that no one could have access to the two cupboards, which contained virtually all the clues to his life. Occasionally on an afternoon, at his hour of clarity and energy, he'd leave his easy-chair, bolt the door and open the first cupboard, take out the key under the paper lining, and then open the other cupboard containing his documents-title-deeds, diaries, papers and a will.

SubQuestion No : 25
Q.25Which of the following is most nearly similar in meaning to the word 'Access' as used
in the passage?
Ans $\quad X$ 1. To be able to decrease something
$\times$ 2. To be able to increase something
3. To be able to obtain something
4. To be able to overpower

## Section : Quantitative Aptitude

## Q. 1 Simplify the following:

$8.79 \times 8.79 \times 8.79-6.79 \times 6.79 \times 6.79$
$8.79 \times 8.79+8.79 \times 6.79+6.79 \times 6.79$
Ans
$\times 1.14$
X2.8
$\times 3.6$

- 4.2
Q.2Two pipes X and Y can fill a tank in 12 minutes and 18 minutes, respectively. If both the pipes are opened simultaneously, how long will it take to fill the tank?
Ans
$X_{1} 15$ minutes
$X$ 2. $\frac{5}{36}$ minutes
$x^{3 .} 14$ minutes

4. $7 \frac{1}{5}$ minutes
Q.3A
n car travels at a speed of $40 \mathrm{~km} / \mathrm{h}$ for 15 minutes and at a speed of $72 \mathrm{~km} / \mathrm{h}$ for theext 5 minutes. The average speed of the car for the whole jo
Ans
X $1.43 \mathrm{~km} / \mathrm{h}$
X 2. $41 \mathrm{~km} / \mathrm{h}$
X $3.45 \mathrm{~km} / \mathrm{h}$
. $4.48 \mathrm{~km} / \mathrm{h}$
Q.4A sum of $₹ 2,400$ is divided among $A, B$ and $C$ such that $A$ receives $25 \%$ less than $B$ and $B$ receives $20 \%$ less than C. The ratio between A's amount and B's amount is:
Ans
5. $3: 4$

X2.5:4
X3.4:5
X4.3:5
Q.5A car is sold on for successive discounts of $10 \%, 12 \%, 15 \%$ and $20 \%$. If the selling price of the car is $₹ 1,68,300$, then what is the marked price of the car?
Ans
$\times 1$
X ₹4,25,600

- 2. 

X ₹ $4,12,800$
3.

Question ID : 2643307123
Status: 0 Answered
4.
Q.6X can complete a work in 5 days and $Y$ in 10 days. If they work on it together for 2 days, then the fraction of the work that is left is:
Ans
$\times 1$. $\frac{1}{5}$
$\times 2 . \frac{2}{3}$
3. $\frac{2}{5}$
$\times 4 . \frac{1}{2}$
Q. 7 The following bar graph displays the information about the percentage marks of a student in six different subjects in the High School Examination. The maximum marks of all the subject are equal. Study the bar graph carefully and answer the question that follows.


What is the percentage score of all the six subjects combined?
Ans
X 1. 90.6 Percent
X 2. 84.8 Percent
X 3. 86.9 Percent
4.88.5 Percent
Q.8A chord of a circle of radius 21 cm makes a right angle at the centre. Find the area of major segment (take $\pi=22 / 7$ ) closest to nearest integer.
Ans
X 1.1360
X cm2 2.

- 1436 cm 2

X 3.1260
cm2 4.
1160 cm 2
Q.9A girl, 4 feet tall can cast a shadow on the ground that is 5 feet long. How tall is a boy who can cast a shadow that is 10 feet long?
Ans
X 1.7 feet
X 2.5 feet
X 3.6 feet
4. 8 feet
Q. 10 The following table shows the number of students in different streams in 5 departments. Study the table carefully and answer the question based on the table.

| Stream | Department |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | A | B | C | D | E |
| Physics | 400 | 500 | 350 | 300 | 600 |
| Chemistry | 750 | 600 | 700 | 500 | 450 |
| Mathematics | 350 | 400 | 450 | 500 | 650 |
| Computer <br> Science | 250 | 300 | 380 | 550 | 750 |

Find the ratio of students in departments A and B in Physics, Chemistry and Mathematics streams.
Ans
X1.1:3
$\times 2.3: 1$
2.1:1

X4.2:1
Q.11A seller sells oranges at the rate of 10 for Rs. 28 , gaining thereby $40 \%$. For how much did he buy a dozen oranges?
Ans
X 1. Rs. 20
X 2. Rs. 28
3. Rs. 24

X4.Rs. 48
Q. 1 The value of $\sin 135^{\circ}+\cos 270^{\circ}$ is:

2
X1. $\frac{1}{\sqrt{3}}$
Ans
2. $\frac{1}{\sqrt{2}}$
$\times$ 3. $\frac{-1}{\sqrt{2}}$
人4. $\frac{-1}{\sqrt{3}}$
Q.13The length of the tangent to a circle from a point $P$, is 17 cm . Point $P$ is 20 cm away from the centre. What is the radius of the circle?
Ans

1. $\sqrt{111} \mathrm{~cm}$
$x^{2} \cdot \sqrt{126} \mathrm{~cm}$
$x^{3 .} \sqrt{121} \mathrm{~cm}$
$x^{4 .} \sqrt{131} \mathrm{~cm}$
Q. 14 A table showing the percentages of the total population of a state by age groups for the year 2019 is given.

| Age group <br> in years | Up to 16 | $17-24$ | $25-32$ | $33-40$ | $41-48$ | $49-56$ | 57 and <br> above |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Percentage | 28.00 | 16.35 | 17.20 | 14.45 | 15.21 | 7.15 | 1.64 |

Out of every 3,800 persons what is the number of persons below 25 years? (Correct to closest integer value)
Ans
X 1. 1,264 approx.
X 2. 1,432 approx.
3. 1,685 approx

X 4. 1,543 approx.
Q.15Raj's monthly income was Rs.12,000 and his monthly expenditure was Rs.8,500. Next year his income increased by $10 \%$ and his expenditure increased by $10 \%$. What was the percentage increase or decrease in his savings?
Ans
X 1. 20\% decrease
X 2. 10\% decrease
3. $10 \%$ increase

X 4. 20\% increase
Q.16The average age of the father and his five children is 10 years which is decreased by 6 years if the age of the father is excluded. The age of the father is:
Ans

1. 40 years
$X 2.45$ years
$\times 3.37$ years
X 4.25 years
Q. 17 A retailer marks up the price of his goods by $30 \%$. He sells $50 \%$ of his goods at a discount of $8 \%$ and the remaining at a discount of $6 \%$. Find his profit percentage.
Ans
X 1. 13.2\%
X 2. 19.4\%
2. $20.9 \%$

X4.17.6\%
Q.18A tf steals a

2 hie scooter at 1:40 p.m. and drives it at $54 \mathrm{~km} / \mathrm{h}$. The theft is discovered at:10 p.m. and the owner sets off to chase the thief on another scoote what time will he catch the thief?

Ans

1. 3:40 p.m.

X 2. 4:10 p.m.
X 3. 4:50 p.m.
X 4.3:20 p.m.
Q. 19 If $\frac{x-1}{x}=5$, then the value of $1+\frac{1}{x^{2}}$ is:

Ans $\times 1.16$
X 2.18
-3. 17
$\times 4.27$
Q. 20 If a man deposits Rs. 12,100 in a bank at a simple interest of $15 \%$ per annum, then how much money will he receive from the bank after 3 years?
Ans

1. Rs.17,545

X 2. Rs.16,520
X 3. Rs.15,115
X 4.Rs.17,200
Q.21A student obtained 72 marks in Biology, 84 marks in Hindi, 91 marks in Mathematics, 80 marks in Science and 73 marks in English (out of 100). Find his average marks.
Ans
X1. 65
X2. 70
$\times 3.60$

- 4.80
Q.22Find the fourth proportional to $m+3, m+7$ and $15 m$ if $m=3$.

Ans
X1. 58
X2. 50

- 3. 75
$\times 4.62$
Q. 23 A

F cuboid of length 18 m , breadth 12 m , and height 8 m is melted and recast into a cube.ind the length of diagonal of the cube.
Ans $\quad \times 1.8 \mathrm{~V} 3 \mathrm{~m}$
X2.9V3m
X 3.18 V 3 m

- $4.12 \sqrt{ } 3 \mathrm{~m}$
Q.24If the product $6352 \times 7 \mathrm{~A} 1$ is divisible by 12 , then the value of $A$ is:

Ans
$\times 1.6$
X2. 3
$\times 3.5$

- 4. 

Question ID : 26433061120
Status: Not Answered
Chosen Option: --
Q. 25 What is the value of $0.3 \overline{4}$ expressed as a fraction?

Ans
$\times 1 . \frac{34}{90}$
$\times 2 . \frac{3444}{90}$
$\times 3 . \frac{31}{100}$
4. $\frac{31}{90}$

## Section : General Awareness

Q.1The name of which chemical element of group 1 was discovered in 1817 from the Greek word meaning stone?
Ans
X 1 . Sodium
X 2. Potassium
X 3. Hydrogen
4. Lithium
Q. 2 Coo
$m$ perative sector industries are operated by producers and suppliers of rawaterial. Which of the following is an example of a cooperative sector
Ans
X 1 . BHEL
$\times$ 2. TISCO
3. Sugar industry

X 4. Oil India Ltd.
Q.3Who among the following leaders was known as 'Deshbandhu'?

Ans
X 1. Balashastri Jambhekar
X 2. Gopalhari Deshmukh
3. Chittaranjan Das

X 4. Bal Gangadhar Tilak

Question ID : 2643305564
Status: 6 Answered
Chosen Option: 3
Q.4How many members are there in the Committee on Public Undertakings in India?

Ans

1. 22
$\times 2.15$
$\times 3.35$
$\times 4.30$
Q.5Under which Amendment to the Constitution Act was the reservation for OBCs in educational institutions made?
Ans
$\times 1$.
95th
X Amendment 2.

- 94th Amendment

X 3 93rd
Amendment 4.
96th Amendment
Q.6The tomb of Sher Shah Suri is located at which of the following places?

Ans
X 1. Patna
X 2. Shergarh
X 3. Hyderabad
4. Sasaram
Q.7.

Ans
union territory has the highest literacy rate as per 2011 census.
$\bar{X}$. Pondicherry
$X$ 2. Chandigarh
$X$ 3. Andaman and Nicobar Islands
4. Lakshadweep
Q.8Which of the following is a micronutrient, and plays a role in cell division, cell growth, wound healing and the breakdown of carbohydrates?
Ans
X 1. Fe
2. Zn
$X$ 3. Cu
X4.Ca
Q.9By whom among the following personalities who lived in the White House is 'Living History' a famous book written?
Ans
X 1. Ivanka Trump
2. Hillary Rodham Clinton

X 3. Laura Bush
X 4. Melania Trump
Q.10Tsunami is NOT caused by:

Ans

1. Hurricanes

X 2. volcanic eruptions
X 3. undersea landsides
X 4. Earthquakes
Q.11Macaulay's Minute on Education was passed in:

Ans
X 1.1837
X 2. 1834
3. 1835
$\times 4.1832$
Q. 12 W ho among the following appoints the Governor of State?

Ans $\quad \mathbf{X}$ 1. The Vice President
X 2. The Prime Minister
$X$ 3. The Attorney General
4. The President
Q.13Manika Batra won the 82nd Senior National Table Tennis Championship (Female

Category) held at Panchkula in $\qquad$ 2021.

Ans $\quad X$ 1. September
$X$ 2. June
3. February4. April
Q. 14 Which Union Territory's appropriation Bill passed in Lok Sabha in 2021 allowed the
Central Government to authorise payment and appropriation of certain further sums
from and out of the Consolidated Fund of the said Union Territory for the services of the financial year 2020-21?
Ans
$X$ 1. Lakshadweep
$X$ 2. Chandigarh
$X$ 3. Delhi
4. Puducherry
Q.15Rana Pratap Singh fought against the Mughals at $\qquad$ in 1576.
Ans

1. Haldighati
$X$ 2. Chittor
X 3. Ranakpur
X 4.Kumbhalgarh
Q.16Which state showed the lowest levels of poverty, according to the Multidimensional Poverty Index 2021?
Ans
X 1. Mizoram
X 2 . Goa
X 3. Punjab
2. Kerala

T o among the following was defeated by Prithviraj Chauhan in the first battle ofarain?
Ans

1. Muhammad Ghori

X 2. Mahmud Ghazni
X 3. Iltutmish
X 4. Qutbuddin Aibak
Q.18Who among the following released a signature tune for 'Vande Bharatam' in March

2022?
Ans
X 1. Smriti Zubin Irani
X 2. Pratima Bhowmik
3. Meenakshi Lekhi
4. Anupriya Patel
Q.19In April 2021, $\qquad$ was selected for the award instituted by the Pookkad
Kalalayam in Kozhikode, in memory of noted musician Malabar Sukumaran Bhagavathar in recognition of her comprehensive contribution to classical dance.
Ans
X 1. Srirangam Gopalaratnam
X 2. Bhanupriya
X 3. Sreelakshmy Govardhanan
4. P Ramadevi
Q.20Mozzarella, cheddar and camembert are varieties of:

Ans $\quad X_{1}$. yoghurt
X 2. vinegar
X 3.bread
4. cheese
Q.21The language of the Aryan texts was:

Ans
X 1. Ardh-Magadha Prakrit
X 2. Prakrit
X 3. Persian
4. Sanskrit
Q. 22 W hich river was known as the 'Sorrow of Bengal'?

Ans $\quad$ 1. Ganga
2. Damodar

X 3. Yamuna
X4.Kosi
Q.23Who among the following personalities is an exponent of the Manipuri dance form?

Ans $\quad$ 1. Kumudini Lakhia
2. Rajkumar Singhajit Singh

X 3. MK Saroja
X 4. Makar Dhwaja Darogha
Q.24On 8 February 2009, for the 51st Grammy Awards, $\qquad$ won in the category Contemporary World Music Album for his collaborative album Global Drum Project along with Mickey Hart, Sikiru Adepoju and Giovanni Hidalgo.

Ans

1. Zakir Hussain
$X$ 2. Anindo Chatterjee
X 3. Kumar Bose
X 4. Swapan Chaudhuri
Q.25The first Republic Day parade was held in which of the following years?

Ans
X 1.1952
X 2.1951
X 3.1949

- 4.1950

