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| Exam Date | 01/08/2022 |
| Exam Time | 5:15 PM - 6:15 PM |
| Subject | Selection Post Phase X Graduate Level |

## Section : General Intelligence

Q. 1 Which of the following numbers will replace the question mark (?) in the given series?

6, 8, 11, 16, ?, 34, 47, 64
Ans $\quad X_{1.27}$
-2. 23
$\times 3.29$
4.21
Q.2Mr. Ravi is visited by his friend and introduces a lady at home as his daughter's
sibling's mother. This lady is Ravi's $\qquad$ _.
Ans
2. sister
$\times 3$.
$X$ daughter
4. mother
Q.3Select 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
SYSTEM : RXRSDL :: COHORT : BNGNQS :: SCHEDULE : ?
Ans
X 1. RBCGDTDK
X 2. RDBCTKDGD
3. RBGDCTKD

X4.RBCTKDGD
Q.4'A \# B' means ' $A$ is the brother of $B^{\prime}$.
' $A$ @ $B$ ' means ' $A$ is the daughter of $B$ '.
' $A$ \& $B$ ' means ' $A$ is the husband of $B$ '.
' $A$ \% B' means ' $A$ is the wife of $B$ '.
If
Ans
V \& R @ F \% H \# T @ M, then how is R related to $M$ ?
X1. Daughter's
X daughter 2. Daughter
3. Son's daughter

X 4. Husband's mother
Q. 5 Two different positions of the same dice are shown, having letters $\mathrm{H}, \mathrm{I}, \mathrm{J}, \mathrm{K}, \mathrm{L}$ and M written on its faces are shown.


Which letter is on the face opposite to the face having H on it?
Ans
X1. J
2. I

X 3. M
X4.K
Q.6Which letter-cluster will replace the question mark (?) and complete the given series?

EFGH, FEHG, ?, HCJE, IBKD
Ans
X 1. GDHE
X 2. GDHF
3. GDIF

X4. GDIE
Q.7Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English
words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word.)
Milk : Curd :: Grape : ? $\qquad$
Ans

1. Wine
$\times$ 2. Fruit
$\times 3$. Sour
X 4. Green
Q. 8 Selec
a t the option that represents the correct order of the given words as they wouldppear in an English dictionary.
2. Defeat
3. Decline
4. Delegate

4 . Deliberately
5. Dedicate
6. Demanding

Ans

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

X 2. 2, 5, 1, 3, 6, 4
X $3,2,5,3,1,4,6$
X4.2,5,6,3,4,1
Q. 9 In a certain code language, 'SHOUT' is written as '10110' and 'COLOUR' is written as '110110'. How will ‘OCEAN' be written in that language?
Ans
$\times 1$.
X 10101
$\checkmark 2$.
X 11001
3. Question ID : 2643306756

11110
4.
Q.10Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English
words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Architect : Design
Ans
X 1. Farmer: Tractor
X 2. Journalist: Poem
X 3. Carpenter: Wood
4. Tailor: Suits
Q. 11 Select the option that represents the correct order of the given words as they would appear in an English dictionary.(Note: the given words may or may not be meaningful words).
1.Judgement
2.Journal
3.Jurisdiction
4.Juice
5.Journey

Ans
X1.2,3,5,1, 4
X 2. 2, 4, 5, 1, 3
X 3.2,1,5,4, 3

- 4. 2, 5, 1, 4, 3
Q. 12 Select the correct mirror image from the following options when the mirror is placed
on the right side of the problem figure.


Ans

Q. 13 Select the figure that will come next in the following figure series.


Ans

$\times 3$.


- 4. 


Q. 14 Th

A ree 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.
Statements:
$S$ ome C are P.
No $C$ is a $T$.
All $P$ are $S$.
Conclusions:
I. All $S$ being $C$ is a possibility.
II. At least some T are not C.
III. Some P are not T's.

Ans 1. All conclusions I, II and III
$X$ follow 2. Only conclusions II and
X III follow 3. Only conclusion I
$X$ follows
4. Only conclusions I and III follow
Q. 15 In a certain code language, 'BLISS' is written as '56' and 'FORD' is written as '39'. How will ‘TENT' be written in that language?
Ans
X 1.42

- 2.55
$\times 3.58$
$\times 4.46$
Q.16In a certain code language, 'CAMERA' is written as '242', 'BROKEN' is written as '194',
how will 'CENTRE' be written in that language?
Ans
X 1.200
$\times 2.190$
-3. 194
$\times 4.198$
Q.17Which two numbers (not the digits of the numbers) and two signs should be interchanged to make the given equation correct?
$27 \div 9-63 \times 3+10=78$
Ans
X 1.9 and 10; $\times$ and +
X 2.63 and 10 ; + and-
X 3.3 and 9 ; + and $\div$

4. 27 and 63; + and-

## Q. 18 Selec

th $t$ the set in which the numbers are related in the same way as are the numbers ofe following set.
(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
ading /deletin
3 dg /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and and then performing mathematical operations on 1 and 3 is NOT allo
$(9,4,85)$
$(6,5,41)$
Ans

1. $(1,4,5)$

X $2 .(3,9,19)$
X $3 .(2,15,39)$
X4. $(8,2,28)$
Q.19In a certain code language, 'players like fitness' is written as 'ab ef op', 'fitness is good' is written as 'op xy uv' and 'players are good' is written as 'uv ef qr'. What is the code for the word 'like' in that language?
Ans

1. ab

X2. op
X 3. ef
X4. xy
Q.20Select the option that represents the letters which when sequentially placed from left to right in the blanks below will complete the letter series.
$A_{-} R T A E_{-} T_{-} C E R \_A C_{-} T$
Ans

1. CECRATER

X2. CECSATER
X3.CECRBTER
X 4.CEDSATER
Q. 21 In a certain code language, 'HOCKEY' is written as 'BNGXDJ' and 'BOXING' is written as 'WNAFMH'. How will 'SPORTS' be written in that language?
Ans

1. NORRSQ

X 2. NORSSQ
X 3. NOSRRQ
X4. NOSSRQ
Q. 22 Select the option in which the given figure is embedded (rotation is NOT allowed).
\#
Ans

$\checkmark 2$.

$\times 3$.

$\times 4$.


[^0]conclusion I follows.
Q.24Select the option that is related
is to the third word in the same way as the second word related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)
Ik : Pen :: Paint : ?
Ans $\times 1$.
X Sketch
2. Paper

X 3. Brush
4. Art
Q.25In a code language, 'CRANE' is written as 'GPCTE' and 'WASP' is written as 'RUCY'.

How will 'JUICE' be written in that language?
Ans
X 1. GEJWL
X 2. GEJWM
X 3. GEKWM
4. GEKWL

## Section : English Language

Q. 1 Select the option that can be used as a one-word substitute for the given group of words.
Easy to understand
Ans
X 1. Lacklustre
2. Lucid
$\times 3$.
X Ambiguous
4. Ludicrous
Q.2Select the option that expresses the given sentence in direct speech.

My father asked how I had done that.
Ans $\times 1$. My father asked "How I did this".
2. My father asked, "How did you do

X this?" 3. My father asked, "How I had do
X that?"
4. My father asked "How I had done
that".
Q. 3 S elect the option that expresses the given sentence in indirect speech.
"Stop! Don't fight." said the mother to her children.
Ans $\quad$ 1. The mother exclaimed to her children angrily to stop and don't fight.
$X$ 2. The mother exclaimed to her children to pause and not engage in a
$X$ fight. 3. The mother told her children to stop and not fight.
4. The mother exclaimed angrily to her children to stop and not fight.
Q.4Select the most appropriate option that can substitute the underlined segment in the given sentence.
Reading has the capacity to make a man wise, but reading of only textbooks is like
living in room of our same height.
Ans
$X$ 1. Reading shall make a man wise
$X$ 2. Reading make a man wise
3. Reading makes a man wise

X 4. Reading should make a man wise
Q.5Identify the INCORRECTLY spelt word in the given sentence.

She holored at her manager and told her that she does not need her service.
Ans
$X 1$. service
$X$ 2. need
$\times 3$.
manager
4. holered
Q.6Select the option that can be used as a one-word substitute for the given group of words.
To the utmost or most absolute extent or degree
Ans
$X 1$. Merely
$X$ 2. Barely
$\times 3$.
Primarily
4. Quite
Q. 75
g elect the most appropriate option that can substitute the underlined segment in theiven sentence.
A lot of people are seen gathering, discussing and negotiating in front of our stall in
the town.
Ans 1.bargaining
$X$ 2. collecting
$X$ 3. jostling
$X 4$. dealing
Q.8Select the option that can be used as a one-word substitute for the given group of words.

The supervising person during an examination.
Ans
X 1 . Examiner
X 2. Supervisor
3. Invigilator

X 4. Examinee
Q.9Select the most appropriate option to replace the underlined word in the given sentence.
This statue of Lord Buddha is carved in jade.
Ans
X 1. as of
2. out of
$\times$ 3.besides
$\times 4$. by of
Q. 10 Select the most appropriate ANTONYM of the given word.

Delusion
Ans 1. Reality
$\times 2$. Fallacy
X 3. Illusion
X4. Phantasm
Q. 11 Select the most appropriate meaning of the given idiom.

A blessing in disguise
Ans

1. A good thing that seemed bad at
$X$ first 2. Get an advantage
$X$ 3. Get a surprisingly good result
$X 4$. A bad thing that becomes good
later
Q. 12 Select the most appropriate synonym of the given word.

BLINK
Ans $\quad X 1$. blaze
$X$ 2. shine
$\checkmark 3$.
X flicker
4.
attend
Q.13Select the option that expresses the given sentence in passive voice.

Are fossil fuels not impacting human health?
Ans
$X$ 1. Is human health not impacted by fossil fuel?
$X$ 2. Was human health not being impacted by fossil
X fuel? 3. Did human health not being impacted by
fossil fuel?
4. Is human health not being impacted by fossil fuel?
Q.14Parts of the given sentence have been given as options. One of them contains a
spelling error. Select the option that rectifies the error.
Governments must translate their sustainable development goals into national
legaslation.
Ans
$\times 1$.
$X$ development
2. translate
$X$ 3. legislation
4. sustainable

Riatget the vice of the given sentence.
You can take one casual leave per month.
Ans
X 1. One casual leave per month could be
X taken. 2. One casual leave per month will be
taken.
X 3. One casual leave per month can be taken.
4. One casual leave per month is to be taken.

## 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.

Darrah Wildlife Sanctuary is another name for Mukundra Hills National Park. Rajasthan is (1) $\qquad$ to the Darrah Wildlife Sanctuary. The sanctuary is situated on the southern outskirts of the town of Kota. Darrah was designated a (Protected area) wildlife sanctuary in 1955, and visitors must now (2) $\qquad$ consent from a local forest (3)
before visiting the park. The sanctuary's overall size is around $250 \mathrm{sq} . \mathrm{km}$. Previously, the Darrah sanctuary served as the Maharaja of Kota's royal (4) $\qquad$ grounds. This location is around 50 kilometres from Kota. It is located on the Chambal River's eastern bank and is drained by its (5) $\qquad$ —.

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

Ans
$\times 1$.
neighbour
$\times 2$. home
X 3 .far
4.
destination

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.

Darrah Wildlife Sanctuary is another name for Mukundra Hills National Park. Rajasthan is (1) $\qquad$ to the Darrah Wildlife Sanctuary. The sanctuary is situated on the southern outskirts of the town of Kota. Darrah was designated a (Protected area) wildlife sanctuary in 1955, and visitors must now (2) $\qquad$ consent from a local forest (3)
before visiting the park. The sanctuary's overall size is around 250 sq . km. Previously, the Darrah sanctuary served as the Maharaja of Kota's royal (4) $\qquad$ grounds. This location is around 50 kilometres from Kota. It is located on the Chambal River's eastern bank and is drained by its (5) $\qquad$ -.

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

Ans

- 1. obtain

X 2. relinquish
X 3. restrain
X4. donate

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.

D arrah Wildlife Sanctuary is another name for Mukundra Hills National Park. Rajasthan is (1) $\qquad$ to the Darrah Wildlife Sanctuary. The sanctuary is situated on the southern outskirts of the town of Kota. Darrah was designated a (Protected area) wildlife sanctuary in 1955, and visitors must now (2) $\qquad$ consent from a local forest (3) before visiting the park. The sanctuary's overall size is around 250 sq . km. Previously, the Darrah sanctuary served as the Maharaja of Kota's royal (4) $\qquad$ grounds. This location is around 50 kilometres from Kota. It is located on the Chambal River's eastern bank and is drained by its (5) $\qquad$ -.

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

Ans

1. ranger
$X$ 2. hunter
$\times 3$.
X deployer
2. invader

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.

Darrah Wildlife Sanctuary is another name for Mukundra Hills National Park. Rajasthan is (1) to the Darrah Wildlife Sanctuary. The sanctuary is situated on the southern outskirts of the town of Kota. Darrah was designated a (Protected area) wildlife sanctuary in 1955, and visitors must now (2) $\qquad$ consent from a local forest (3)
before visiting the park. The sanctuary's overall size is around 250 sq. km. Previously, the Darrah sanctuary served as the Maharaja of Kota's royal (4) $\qquad$ grounds. This location is around 50 kilometres from Kota. It is located on the Chambal River's eastern bank and is drained by its (5) $\qquad$ -.

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

Ans

1. hunting

X 2. playing
X 3. dancing
×4. evading

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.

D arrah Wildlife Sanctuary is another name for Mukundra Hills National Park. Rajasthan is (1) $\qquad$ to the Darrah Wildlife Sanctuary. The sanctuary is situated on the southern outskirts of the town of Kota. Darrah was designated a (Protected area) wildlife sanctuary in 1955, and visitors must now (2) $\qquad$ consent from a local forest (3)
before visiting the park. The sanctuary's overall size is around 250 sq . km. Previously, the Darrah sanctuary served as the Maharaja of Kota's royal (4) $\qquad$ grounds. This location is around 50 kilometres from Kota. It is located on the Chambal River's eastern bank and is drained by its (5) $\qquad$ _.

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

Ans
$X$ 1. effluent
X 2. outflow
X 3. distributaries
4. tributaries

## Comprehension:

Read the given passage and answer the questions that follow.
From language to cultures - there are annals about India's diversity writ in bold. At the heart of everything we hold close is our love for food; the aroma from warm hearths wafts in the air, a heady mix of history and meals. So heady, that we often forget that food has a large carbon footprint, and the menace of ever-growing fast-food businesses that contribute the lion's share to this problem. However, India's rich traditional and local edible biodiversity, with its focus on home cooked food, presents a ray of hope. Indian members of Relais \& Châteaux, in partnership with Slow Food International, hope to bring back our forefathers' wisdom when it comes to eating, through the Slow Food movement, which started in the 1980s and aims to bring to the fore the connection of plate with people and the planet. Calling for the protection and promotion of traditional techniques associated with regional food cultures is Jaisal Singh, owner of SUJAN group of hotels.

## SubQuestion No : 21

Q.21What, according to the passage, is a possible way to manage the large carbon footprint caused by the fast-food industry?

Ans $\quad$ 1. By associating with Slow Food International.
X 2. By consuming only home-cooked food.
X 3. By not participating in fast-food businesses at all.
4. By going back to traditional techniques of cooking and regional food cultures.

Comprehension:
Read the given passage and answer the questions that follow.
From language to cultures - there are annals about India's diversity writ in bold. At the heart of everything we hold close is our love for food; the aroma from warm hearths wafts in the air, a h eady mix of history and meals. So heady, that we often forget that food has a large carbon footprint, and the menace of ever-growing fast-food businesses that contribute the lion's share to this problem. However, India's rich traditional and local edible biodiversity, with its focus on home cooked food, presents a ray of hope. Indian members of Relais \& Châteaux, in partnership with Slow Food International, hope to bring back our forefathers' wisdom when it comes to eating, through the Slow Food movement, which started in the 1980s and aims to bring to the fore the connection of plate with people and the planet. Calling for the protection and promotion of traditional techniques associated with regional food cultures is Jaisal Singh, owner of SUJAN group of hotels.

SubQuestion No : 22
Q.22What does the term 'lion's share' refer to in this context?

Ans

1. The largest part of something

X 2. Relating to non-vegetarian diet
3. The share of the head of the institution

X 4. Something that is negligible

## Comprehension:

Read the given passage and answer the questions that follow.
From language to cultures - there are annals about India's diversity writ in bold. At the heart of everything we hold close is our love for food; the aroma from warm hearths wafts in the air, a heady mix of history and meals. So heady, that we often forget that food has a large carbon footprint, and the menace of ever-growing fast-food businesses that contribute the lion's share to this problem. However, India's rich traditional and local edible biodiversity, with its focus on home cooked food, presents a ray of hope. Indian members of Relais \& Châteaux, in partnership with Slow Food International, hope to bring back our forefathers' wisdom when it comes to eating, through the Slow Food movement, which started in the 1980s and aims to bring to the fore the connection of plate with people and the planet. Calling for the protection and promotion of traditional techniques associated with regional food cultures is Jaisal Singh, owner of SUJAN group of hotels.

SubQuestion No : 23
Q.23Which of the following sums up the central idea of the passage?

Ans 1.入aisal Singh, the owner of SUJAN group of hotels has also been an important member of this traditional techniques associated with regional food cultures.
2. Xast food businesses are at the root of large carbon foot-print. The possible solution lies only in eating home cooked food and stop eating out.
3. Aven the large carbon foot-print and menace of fast-food businesses an attempt has
been made to bring back our forefathers' wisdom about eating to restore the connection of plate with people and planet.
4.Xnnals about India's diversity have been writ on varied subjects from languages to
cultures. However, the love for food and the ever-growing fast-food businesses has been the central subject of the interest.

## Comprehension:

Read the given passage and answer the questions that follow.
From language to cultures - there are annals about India's diversity writ in bold. At the heart of everything we hold close is our love for food; the aroma from warm hearths wafts in the air, a h eady mix of history and meals. So heady, that we often forget that food has a large carbon footprint, and the menace of ever-growing fast-food businesses that contribute the lion's share to this problem. However, India's rich traditional and local edible biodiversity, with its focus on home cooked food, presents a ray of hope. Indian members of Relais \& Châteaux, in partnership with Slow Food International, hope to bring back our forefathers' wisdom when it comes to eating, through the Slow Food movement, which started in the 1980s and aims to bring to the fore the connection of plate with people and the planet. Calling for the protection and promotion of traditional techniques associated with regional food cultures is Jaisal Singh, owner of SUJAN group of hotels.

SubQuestion No : 24
Q.24Which event mentioned in the passage took place in the 1980s?

Ans
X 1. Partnership of Indian members of Relais \& Châteaux and Slow Food International
2. Beginning of Slow Food movement
3. Leaving of large carbon footprint by food

X 4. Documents of the annals about India's diversity

Comprehension:
Read the given passage and answer the questions that follow.
From language to cultures - there are annals about India's diversity writ in bold. At the heart of everything we hold close is our love for food; the aroma from warm hearths wafts in the air, a heady mix of history and meals. So heady, that we often forget that food has a large carbon footprint, and the menace of ever-growing fast-food businesses that contribute the lion's share to this problem. However, India's rich traditional and local edible biodiversity, with its focus on home cooked food, presents a ray of hope. Indian members of Relais \& Châteaux, in partnership with Slow Food International, hope to bring back our forefathers' wisdom when it comes to eating, through the Slow Food movement, which started in the 1980s and aims to bring to the fore the connection of plate with people and the planet. Calling for the protection and promotion of traditional techniques associated with regional food cultures is Jaisal Singh, owner of SUJAN group of hotels.

SubQuestion No : 25
Q.25Which of the following can be the most appropriate title of the passage?

Ans $\quad \mathbf{X}$ 1. The Menace of Large Carbon Footprint
$X$ 2. Aroma from Warm Hearths
3. Retracing Traditional and Local Wisdom of Eating

X 4. A Heady Mix of History and Meals

Section: Quantitative Aptitude
Q. 1 If $2^{x}=3^{y}=6^{z}$, then $\frac{1}{x}+\frac{1}{y}-\frac{1}{z}$ is equal to:

Ans $\quad \times 1.1$
$X^{2} \cdot \frac{-1}{2}$
3. 0
4. 3
$\times \frac{3}{2}$
Q.2F ind the third proportional of 0.9 and 1.5.

Ans $\quad \times 1.1 .7$
X 2. 1.5
3. 2.5

X4.2.8
Q. 3 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 | 750 |
| Computer <br> Science | 250 | 300 | 380 | 550 | 600 |

Which department has the maximum number of students in all streams?
Ans

1. E
$\times$ 2. c
$X$ 3. в
$\times 4$. A
Q.4Which of the following is NOT a pair of co-prime numbers?

Ans

$$
\text { 1. 22, } 24
$$

2.1,4
$\times 3.3,7$
X4.21,22
Q.5In an election, $35 \%$ of the voters voted for candidate $P$ whereas $50 \%$ of the remaining voted for candidate Q . The remaining voters did not vote. If the difference between
those who voted for candidate P and those who did not vote was 1000, the number of individuals eligible for casting a vote in that election was:
Ans
$x$

1. 55000
$\times 2.60000$
3
2. 40000
3. 75000
Q. 6 If the average of P numbers is Q 2 and the average of Q numbers is P 2 , then the average of $(\mathrm{P}+\mathrm{Q})$ numbers will be:

Ans
$X_{1 . P-Q}$
2. PQ

X 3. $\mathrm{P}+\mathrm{Q}$
X4.2PQ
Q. 7 The following bar graph shows the sales (in thousand numbers) of scooters from six different companies in 2011 and 2012.


What is the ratio of the total sales of company C for both the years to the total sales of company D for both the years?
Ans

1. $29: 36$

X 2.11:13
X 3.3:2
$\times 4.2: 3$
Q.828\% of the people eligible to vote are between 20 to 25 years. In an election 75\% of those eligible to vote who were between 20 to 25 years actually voted. In that election the number of persons between 20 to 25 who actually voted was what percentage of those eligible to vote?
Ans
X $1.22 \%$
X 2. $25 \%$
X 3.28\%

- $4.21 \%$
Q. 9 If $\theta=120^{\circ}$ and $\mathrm{p}=\cos \theta+\sin \theta$, then:

Ans
$X_{1 .} \mathrm{p} \leq 0$
-2. $\mathrm{p}>0$
X3. $\mathrm{P}<0$
$x^{4} \cdot \mathrm{p} \geq 0$
Q. $10 T_{\text {he }}$ average of the first eight odd natural numbers is:

Ans $\quad \mathbf{X} 1.10$
$\times 2.9$

- 3.8
$\times 4.11$
Q.11Mahesh and Suresh can complete a work in 16 days and 12 days, respectively. Starting with Mahesh, they work on alternate basis. How many days will take to finalise the complete work?
Ans

1. $13 \frac{3}{4}$ days
$\times 2.13 \frac{1}{4}$ days
$x$ 3. 14 days
$x^{4 .} 13$ days
Q. 12 In $\triangle T A P, \angle T A P=60^{\circ}, T A=6 \mathrm{~cm}, A P=8 \mathrm{~cm}$. $K$ is the midpoint of $A P$. A line from $K$ is produced to meet TP at O such that $\angle A K Q=120^{\circ}$. Find the length of OK

Ans

1. 3 cm
2. 4 cm
$\times 3.5 \mathrm{~cm}$
$\times 4.6 \mathrm{~cm}$
Q. 13 If $\operatorname{cosec}(A-B)=2$ and $\cot (A+B)=1 / \sqrt{3}$, then what is the value of $A$ ?

Ans
$\times 1.90^{\circ}$
$\times 2.60^{\circ}$
$\times 3.30^{\circ}$

- $4.45^{\circ}$
Q. 14 D
p inesh purchased a book set at ₹ 1,200 and sold it for ₹ 900 only. Find out theercentage loss incurred by him?
Ans $\quad$ 1. $20 \%$
X 2. $30 \%$
X 3.35\%
- $4.25 \%$
Q. 15 What is the value of $\frac{X}{Y}$, if $\frac{X-5 Y}{X+5 Y}=\frac{7}{8}$ ?

Ans
X $1 . \frac{35}{33}$
$\times 2 . \frac{72}{5}$
3. $\frac{75}{1}$

X4. $\frac{1}{75}$
Q. 16 If a tangent PQ at a point P of a circle of radius 5 cm meets a line through the centre O at the point Q so that $\mathrm{OQ}=13 \mathrm{~cm}$, then the length of the tangent is:
Ans $\quad \times 1.11 \mathrm{~cm}$
2. 12 cm
$\times 3.13 \mathrm{~cm}$
$\times 4.14 \mathrm{~cm}$
Q.17The average of the first five even natural numbers is:

Ans
X1.4
X 2.7
$\times 3.5$
4. 6
Q. 18 If the perimeter of an equilateral triangle is 60 units, then its area is $\qquad$ unit2.
Ans

1. 100 V 3
2. 200v3
$\times 3.60 \mathrm{v} 3$
4.50v3
Q. 1 If $(a+b)=\sqrt{11}$ and $(a-b)=\sqrt{7}$, then find the value of $a^{2} b^{2}\left(a^{2}+b^{2}\right)$.
$9 \times 1$.
Ans
$\times 11$
X2. 7
ง. 5
3. 9
Q.20Arif repaid a loan by paying ₹ 15,625 after 3 years at a rate of $25 \%$ p.a. compounded annually. What was the amount of the loan?
Ans
X 1 . ₹9,000
4. ₹8,000

X 3. ₹9,500
X4. ₹10,000
Q.21A thief was noticed by a policeman from a distance of 80 metres. The speed of the thief is $21 \mathrm{~km} / \mathrm{h}$ and the policeman is $20 \mathrm{~km} / \mathrm{h}$. What is the distance between them after 18 seconds?

Ans
X 1. 70 metres
2. 85 metres

X 3.95 metres
$\times 4.90$ metres
Q. 2 If arithmetic and geometric mean of x and y is 8 and $3 \sqrt{7}$, respectively, then the value of $x^{3}+y^{3}$ is:

2 1.1072
Ans
$\times 2.945$
X 3.559
$\times 4.855$
Q. 23 Th
d e marked price of an air conditioner is ₹ 45,000 and there are two successiveiscounts of $15 \%$ and $20 \%$ available on it. Find the selling price of th
Ans
X 1. ₹32,000
X 2. ₹31,600
× 3. ₹ 30,000
4. ₹ 30,600
Q. 24 The following pie-Chart shows the percentage of children participating in summer camp classes in June 2017. The total number of children who participated in the summer camp was 600 .Study the pie-chart carefully and answer the question
follows.


What was the total number of children who attended the Swimming and Athletics, and Music classes in June 2016 if the number of children increased by $20 \%$ in June 2017 for these classes as compared to June 2016?
Ans
$\times 1.228$
X2. 210

- 3.190
$\times 4.178$
Q.25Ritu sold two TV sets at ₹4,800 each gaining $20 \%$ on one and losing $20 \%$ on the other.

Find out the total percentage gain or loss.
Ans
X 1.4\% gain
2.16\% loss
3. $4 \%$ loss
4. 16\% gain
Q.1V
s ilasini Natyam and Veeranatyam are dances associated with which of the followingtates?
Ans
X 1. Kerala
2. Andhra Pradesh

X 3. Karnataka
X 4. Tamil Nadu
Q.2Which of the following is the multi-purpose rock and earth-fill embankment dam on the Bhagirathi River?
Ans
X 1. Gandhisagar Dam
X 2. Thein Dam
X 3. Koyna Dam
4. Tehri Dam
Q.3What is the name of the Governor of West Bengal who administered oath to CM Mamata Banerjee as MLA in 2021?
Ans
X 1. Prof. Jagdish Mukhi
2. Shri Jagdeep Dhankhar

X 3. Shri Biswa Bhusan Harichandan
X 4. Shri Phagu Chauhan
Q.4When is the National Voters Day celebrated in India?

Ans

1. 25th January

X 2 25th
$X$ December 3. 2nd
$\chi$ October
4. 21st June
Q. 5 In which year was Kashmir annexed to the Mughal Empire by Akbar?

Ans 1. 1586
X 2.1590
$\times 3.1592$
$\times 4.1580$
Q. 6 In which city was the Naujawan Sabha founded by Bhagat Singh in the year 1926?

Ans
$X$ 1. Delhi
X 2. Amritsar
3. Lahore

X 4. Peshawar
Q.7Which amino acid is essential for healthy skin and teeth, as it is a component of tooth enamel, collagen and elastin?
Ans
$X$ 1. Leucine
$X$ 2. Arginine
$X$ 3. Phenylalanine
4. Threonine

Question ID : 2643307728
Status: 9 Answered
Q.8Which of the following is amended by The Taxation Laws (Amendment) Bill, 2021?

Ans
X 1. Income Tax Act, 1963
X 2. Finance Act, 2014
X 3. Income Tax Act, 1962
4. Income Tax Act, 1961
Q. 9 In which state of India is the Kangra and Kullu valley located?

Ans $\quad X_{1}$.Uttar Pradesh
$X$ 2. Jammu and Kashmir
3. Himachal Pradesh

X 4. Uttarakhand
Q.10How many religious communities are notified as minorities by the Government of India?
Ans
$X$ 1. Three
$X$ 2. Five
3. Six
$\times 4$. Four
Q. 11 W hat is Intensified Mission Indradhanush 3.0?

Ans

1. Clean School Drive
2. Vaccination Drive for pregnant women and children

X 3. Felicitation to Toppers of Schools
$X$ 4. Digital education drive for Government Schools
Q.12Who, as the Chief Election Commissioner, passed Gag orders on CM Mamata Banerjee during the Bengal Polls 2021?
Ans $\quad X$ 1. Rajiv Kumar
X 2. Sushil Chandra
3. Sunil Arora

X 4. Rajiv Bhatnagar
Q.13Who among the following is the architect of the World Heritage site, Chhatrapati Shivaji Terminus in Mumbai?
Ans
X 1. Vincent Esch
2. FW Stevens

X 3. Samuel Swinton Jacob
$X$ 4. George Wittet
Q.14Who among the following dancers was awarded the Queen Victoria Silver Medal of the Royal Society for the Prevention of Cruelty to Animals, London in 1958?
Ans
X 1. Sitara Devi
X 2. Sonal Mansingh
X 3. Sanjukta Panigrahi
4. Rukmini Devi Arundale
Q.15Which is NOT a unitary feature of the Constitution of India?

Ans

1. Bicameral Legislature

Х 2. Integrated Judicial System
X 3. Single Citizenship
X 4. Appointment of the Governor by the President
Q. 16 O n 26 January 1950, the first ever Republic Day parade was performed at $\qquad$ -.
Ans $\quad \times 1$. Rajpath
2. Irwin

X Amphitheatre 3.
$X$ Kings Avenue
4. Ramlila Grounds
Q.17Which floating fern damages aquatic ecosystems by outgrowing and replacing native plants that provide food and habitat for native animals and waterflow?
Ans
X 1. Salvinia minima
X 2. Osmunda regalis
3. Giant salvinia

X 4. Azolla pinnata
Q. 18 What was the literacy rate of India as per the 1951 Census?

Ans
X 1. 20.42 \%
$\times 2.24 .46 \%$
$X^{3 .} 19.23$ \%

- ${ }^{4} 18.33 \%$
Q.19Who among the following authors won the Sahitya Akademi Yuva Puraskar 2021 for the collection of short stories 'Kissa Kissa Lucknowa—Lucknow Ke Awami Kisse'?
Ans
X 1. Manika Devee
X 2. Sadique Hosain
X 3. Bipasha Bora

4. Himanshu Vajpai
Q.20Which is a major watershed for the headwaters of the Yamuna River lies in the western Garhwal region of Uttarakhand?
Ans
X 1. Dokriani glacier
5. Bandarpunch glacier

X 3. Kaphini glacier
X 4. Doonagiri glacier
Q. 21 W ho founded the Arya Mahila Samaj?

Ans $\quad X$ 1. Sarojini Naidu
$X$ 2. Sarla Devi Chaudhurani
3. Pandita Ramabai

X 4. DK Karve
Q.22In 1930, $\qquad$ led a satyagraha for the rights of untouchables' entry to the
Kalaram temple at Nasik.
Ans
X 1. MC Rajah
2. Dr. BR Ambedkar

X 3. Madan Mohan Malaviya
X 4. Mahatma Gandhi
Q.23India launched the Mission Innovation Clean-Tech Exchange in the Global Summit hosted by $\qquad$ in 2021.
Ans
$\chi$ 1. India
$\times 2$. France
X 3. United Kingdom
4. Chile
Q.24What is the name of a protein that polymerizes into long chains or filaments that form microtubules, hollow fibres that act as the skeletal system for living cells?

Ans

1. Tubulin

X 2. Elastin
X 3. Fibrinogen
X4. Ferritin
Q. 25 Given here are the sex ratios of some states of India according to the Census of India 2011. Match the following pairs correctly.

| States | Females per $\mathbf{1 0 0 0}$ males |
| :--- | :--- |
| 1. Goa | a. 996 |
| 2. Tamil Nadu | b. 979 |
| 3. Manipur | c. 985 |
| 4. Orissa | d. 973 |

Ans
X 1. 1-b, 2-c, 3-a, 4-d
X 2. 1-b, 2-a, 3-c, 4-d
X 3.1-a, 2-b, 3-c, 4-d
4. 1-d, 2-a, 3-c, 4-b
Q.12Find the ratio of the curved surface area to the total surface area of a cylinder with d iameter of base 14 cm and height 10 cm .

Ans
$\times 1 \frac{11}{17}$
2. $\frac{5}{17}$

X 3. $\frac{13}{17}$
ง. $\frac{10}{17}$
Q.13P buys an article for Rs. 280 and sells it to $Q$ at a profit of $25 \%$. $Q$ sells it to $R$ at some profit. R sells it to S for Rs. 560 making a profit of $40 \%$. What percentage profit (rounded off to the nearest integer) did Q make?
Ans
X 1. 26 Percent
2. 14 Percent

X 3. 32 Percent
X 4.20 Percent
Q. 14 Study the given table and answer the question that follows.

The table shows the production (in thousands) of four different types of tractors by a company during five years.

| Year/Tractor <br> Type | Type-A | Type-B | Type-C | Type-D |
| :---: | :---: | :---: | :---: | :---: |
| 2010 | 18 | 25 | 12 | 19 |
| 2011 | 15 | 24 | 14 | 10 |
| 2012 | 23 | 13 | 17 | 13 |
| 2013 | 17 | 23 | 12 | 11 |
| 2014 | 14 | 26 | 20 | 18 |

Which type of tractor has same production in the years 2010 and 2013?
Ans
X 1. Type - B
2. Type - C

X 3. Type - A
X 4. Type-D
Q.15What is the average of the following observations?
$2.5,3.25,4.75,7.5,3,4,3$
Ans $\times 1.3 .5$
$\times 2.4 .18$
$\times 3.4 .5$
4.4
Q. 16 W hat is the fourth proportional of 21,56 and $27 ?$

Ans

1. 72
$\times 2.81$
X 3.54
$\times 4.96$
Q.17Only two candidate were contesting against each other in an election of a village. One candidate got $43.5 \%$ votes and was defeated by 3744 votes. How many votes did the winning candidate get?
Ans
X 1.16500
2. 16272
$\times 3.15275$
X4. 16200
Q. 18 If $P=\frac{x^{2}-100}{x^{2}-16}$ and $Q=\frac{x+10}{x-4}$, then the value of $\frac{P}{Q}$ is:

Ans
⒈ $\frac{x+10}{x+4}$
2. $\frac{x-10}{x+4}$
3. $\frac{x+10}{x-4}$

⒋ $\frac{x-10}{x-4}$
Q. 19 The following figure shows the expenditures incurred by Rohan in different heads. Rohan has a monthly income of $₹ 50,000$ out of which he spends $60 \%$ on different expenditures. What is the total expenditure (in ₹) incurred on Health, Education and Transportation together?

Amount spent on different expenditures


Ans

1. Rs.16,800

X 2. Rs.15,800
X 3. Rs.28,000
X 4.Rs.18,000
Q. 20 W hat is the third proportional of 6 and 18?

Ans $X_{1.36}$
X 2.42
-3. 54
$\times 4.48$
Q.21The mean weight (in kg ) of four students is 30 . The weights of three of them are 42 kg ,

28 kg , and 24 kg . What is the weight (in kg ) of the fourth student?
Ans $\quad \times 1.25$
-2. 26
$\times 3.32$
$\times 4.41$
Q. 2 ₹ 21,000 is lent at compound interest of $10 \%$ p.a. for three years. Find the amount.

2 1. ₹ 27,951
Ans
X 2. ₹6,951
X 3. ₹27,000
X 4. ₹28,951
Q.23A student wants to know the area of a rhombus, one of whose diagonals is 6 cm . He measures another diagonal as 8 cm . What is the area of the rhombus?
Ans
$X 1.25 \mathrm{~cm} 2$
X 2.20 cm 23. 24 cm 2
4.48 cm 2
Q.24A person received a yearly salary hike of $15 \%, 20 \%$, and $25 \%$ in 3 successive years. What is the total salary of the person after 3 years if his initial salary was Rs. 20,000 ?
Ans
X 1. Rs.30,000
X 2. Rs.35,000
X 3. Rs.32,500
4. Rs.34,500
Q.25The sum of three prime numbers
th is 90 . If one them exceeds another by 30, then one ofe numbers is:
Ans
$\times 1.41$
X 2.67
$\times 3.47$

- 4.59


## Section : General Awareness

Q. 1 Which is NOT correct about the Directive Principles of the State Policy?

Ans $\quad \times 1$. They are mentioned in Part IV of the Constitution of India.
X 2. They aim to establish a welfare state in India.
X 3. They are a novel feature of the Constitution of India.
4. They are justiciable in nature.
Q.2What happens to the magnetic field produced by a given current in the conductor
when the distance increases?
Ans
X 1 . It stops
$X$ 2. It increases
3. It decreases

X 4. It stays the same
Q.3In Union Budget 2021-22, PLI schemes for 13 key sectors of manufacturing starting from fiscal year (FY) 2021-22 have been announced. The full form of PLI is:
Ans
X 1. Performance Linked Incentive
X 2. Performance Liability Indemnity
3. Production License Indemnity
4. Production Linked Incentive
Q.4Which is NOT correct about the original jurisdiction of the Supreme Court?

Ans 17t can hear any dispute between two or more states.
2. It can hear any dispute between the Government of India and any state or states on one side and one or more states on the other.
3. It can hear ordinary dispute of commercial nature between the Government of India
and the states
4. $\mathbb{Z}$ can hear any dispute between the Government of India and one or more states.
Q.5A
p ccording to the Census of India 2011, what is the percentage of the urbanopulation?
Ans

1. $31.16 \%$

X2. $27.78 \%$
$x^{3 .} 23.34 \%$
$x^{4 .} 25.71 \%$
Q.6The Reserve Bank of India (RBI) has introduced a PCA framework for large non-
banking financial companies (NBFCs) with effect from October 2022, putting
restrictions whenever vital financial metrics dip below the prescribed threshold. What is PCA?

Ans $\quad$ 1. Prompt Coordinated Action
2. Prompt Corrective Action

X 3. Phased Coordinated Action
X 4. Phased Corrective Action
Q. 7 $\qquad$ introduced the daroga system, replacing zamindari thanedars under the direct control of the district head and on its payroll.
Ans $\quad \times$ 1. Lord Minto I
2. Lord Cornwallis

X 3. Lord Hastings
X 4. Lord Wellesley
Q.8According to poverty statistics in India (2011-12), what is the percentage of population in Chandigarh, below the poverty line?
Ans

1. $21.81 \%$

X 2. 2.77\%
X 3. $9.91 \%$
X4. $9.86 \%$
$\qquad$ in the second half of the nineteenth century.
Ans
X 1. Calcutta Presidency
2. Bombay Presidency3. the Central Provinces
4. the United Provinces
Q.10Which of the following statements about Bharat Naujawan Sabha is INCORRECT?

Ans
X 1. It was founded in Punjab.
2. Bhagat Singh became its founding secretary.
3. It was established in 1927.4. It started political work among the youth, peasants, and workers.
Q.11Deficiency of which vitamin causes symptoms like tingling in the tongue, anaemia, white patches on the skin, mouth ulcers and shortness of breath?
Ans
X 1. Vitamin K
2. Vitamin B12

X 3. Vitamin E
X 4. Vitamin B1
Q.12Who among the following was the Wazir of Sultan Iltutmish?

Ans
X 1. Sai'd Fakhr-I-Mudabbir
X 2. Malik Naik
3. Nizam ul-Mulk Junaidi

X4. Nusrat Khan
Q.13Which of the following launched 'SAGE' initiative on 4 June 2021?

Ans $\quad$ 1. Ministry of Education
X 2. NITI Aayog
X 3. Ministry of Women and Child Welfare
4. Ministry of Social Justice and Empowerment
Q. 14 W hich is the most suitable soil for growing coffee in India?

Ans

1. Black Soil

X 2. Red Soil
3. Laterite soil

X4. Alluvial Soil
Q.15Shakoor Khan, Pandit Ram Narayan, Ramesh Mishra, Sultan Khan and Ustad Binda Khan are noted players of which of the following instruments?
Ans
X 1. Rudra veena
X 2. Santoor
3. Sarangi

X 4. Jal-tarang
Q. 16 Who is recognised as the founder of the Lucknow Gharana of Kathak?

Ans
X 1. Birju Maharaj
2. Ishwari Prasad

X 3. Rukmini Devi
X 4. Sitara Devi
Q.17Which of the following dances is traditionally performed by tea cultivators in Assam?

Ans
$\times$ 1. Bihu
X 2. Deodhani
3. Jhumur

X 4. Bhortal Nritya
Q.18Who is the head of the committee constituted by the Central Government to consider the withdrawal of AFSPA from Nagaland?

Ans
X 1. Ajay Kumar Bhalla
2. Vivek Joshi

X 3. Rajiv Gauba
X 4. Piyush Goyal
Q. 19 Bu
p ilders of which of the following temples had constructed a 4 km long incline forlacing 90 tonnes of stone on top of the tallest shikhara amongst
Ans
$\times 1$. The Sun Temple
2. Rajarajeshvara Temple

X 3. Kandhariya Mahadeva Temple
X 4. Gangadikondha Temple
Q.20In the 1920s, who created the Left-Step Periodic Table (LSPT) of the chemical
elements, basing the positions of the elements on patterns in the arrangement of electrons around the atomic nucleus?
Ans
$\times 1$. Glenn Seaborg
X 2. Lothar Meyer
3. Charles Janet4. Dmitri Mendeleev
Q.21Who among the following as the Governor administered the oath to the CM of Assam, Himanta Biswa Sarma, in 2021?
Ans
X 1. Padmanabha Balakrishna Acharya
X 2. Ganga Prasad
X 3. Jagdeep Dhankhar
4. Jagadish Mukhi
Q.22Which mineral found in Koderma and Giridih districts of Jharkhand is used for power industry, paint and pigment industry etc.?
Ans
X 1. Quartz
2. Mica

X 3. Asbestos
X 4. Kyanite
Q.23Who among the following is NOT appointed by the President of India?

Ans
X 1. Ambassadors and High Commissioners
X 2. Comptroller and Auditor General of India
X 3. Attorney General of India
4. Solicitor General of India
Q. 24 W here is the headquarters of Food Corporation of India located?

Ans $\quad$ 1. Kolkata
2. New Delhi

X 3. Hyderabad
X 4. Bhubaneswar
Q.25The Champaran Mela is celebrated every year in which city of Chhattisgarh?

Ans $\quad \times$ 1. Bilaspur
2. Raipur

X 3. Raigarh
X 4.Korna


[^0]:    Q.23Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from
    the given statements.
    Statements:
    No Mango is a banana.
    No banana is a guava.
    Some guavas are oranges.
    Conclusions:
    (I) Some mangoes are oranges.
    (II) Some guavas are mangoes.
    (III) No orange is a banana.

    Ans
    $X 1$. Only conclusion II follows
    X 2. Conclusions I, II and III
    follow. 3. None of the
    $\boldsymbol{X}$ conclusions follow 4. Only

