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| Exam Date | $02 / 08 / 2022$ |
| Exam Time | 5:15 PM $-6: 15$ PM |
| Subject | Selection Post Phase X Matriculation Level |

## Section : General Intelligence

Q. 1 Select the option that represents the letters that, when sequentially placed from left to right in the following blanks, will complete the letter-series.
$Z_{-} C_{-} B Z X_{--} B_{-} X C V_{-} Z_{--} V B$
Ans $\quad$ 1. XVVCZXBC
X 2. XCVCZBXC
X 3. XCXVZBXC
4. XVCVZBXC
Q. 2 In a certain code language, 'PAPER' is written as 'RCSHT', and 'PRIDE' is written as 'RTLGG'. How will 'RADIO' be written in that language?

Ans
X 1.TCGKQ
X 2. TCGMR

- 3. TCGLQ

X4. TCGLR
Q. 3 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:
All cameras are bells.
Some bells are computers.
Some computers are printers.
Conclusions:
I. Some cameras are bells.
II. All bells are computers.
III. Some bells are printers.

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

X 3. Only conclusion II follows
X 4. All of the conclusions follow
Q. 4 In a certain code language, 'LIQUID' is written as 'UDILQI' and 'HANDLE' is written as 'DELHNA'. How will 'NORMAL' be written in that language?

Ans
X 1. LNMROA
2. MLANRO
× 3. LRMOAN
X 4. MALNRO
Q. 5 Select the figure that will come next in the following figure series.


Ans

Q. 6 Which two signs should be interchanged to make the given equation correct?
$99 \div 33-6+48 \times 26=40$
Ans $\times 1 .+$ and $\times$
X $2 . \div$ and $\times$
X 3. - and $\div$
4. $\times$ and -
Q. 7 Two Statements are given followed by Three conclusions numbered I, II and III.

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

Ans

1. Both conclusions I and II follow.

X 2. Conclusions I, II and III follow.
X 3. Both conclusions II and III follow.
X 4. Both conclusions I and III follow.
Q. 8 Select 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.)
Time : Seconds :: Power: ?
Ans
X 1. Newton
2. Watt

X 3. Volt
X4. Ohm

Q. 9 In a code language, 'please come over' is written as 'bnq tra mns', 'game is over' is written as 'din mns piz', 'come in please' is written as 'tra bnq pvc'. What is the code for the word ' in ' in this language?
Ans
X1. tra
X2. din
X 3.bnq
4. pvc
Q. 10 Pointing to a person in a photograph, a man, Gaurav, said, "He is the son of my father's daughter's husband." How is the person related to Gaurav?
Ans
X 1 . Father
X 2. Brother
X 3. Son

- 4. Sister's son
Q. 11 In a code language, 'garden is beautiful' is coded as 'ne ae ul', 'nice big garden' is coded as 'ce ig ne', and 'water is life' is coded as 'er ae fe'. What is the code for the word 'garden'?
Ans $\quad \times 1 . \mathrm{ul}$
$\times 2$ ae
- 3. ne
$\times 4 . \mathrm{fe}$
Q. 12 Which number will replace the question mark (?) in the following series? 12, 14, 26, 40, 66, ?

Ans $\times 1.100$
2. 2.106
$\times 3.98$
$\times 4.118$
Q. 13 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Operation
2. Opera
3. Option
4. Opposite
5. Opinion
6. Optical

Ans $\times 1.2,1,5,4,3,6$
X2.2,1, 4, 5, 6, 3
X $3,1,5,2,4,6,3$ - 4 . $2,1,5,4,6,3$
Q. 14 Select the correct mirror image of the given combination when the mirror is placed at ' $P Q$ ' as shown.

9DE2hk

Ans
xydzage
xaDESHK
$x^{x}$ पYSIGe

- Mrsage
Q. 15 Which letter-cluster will replace the question mark (?) to complete the given series? ZVFM, XRJO, ?, TJRS, RFVU

Ans
X 1. VMOQ
X 2. VMOR
X 3. VNMR
4. VNNQ
Q. 16 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:
All papers are files.
Some files are maps.
No map is a paint.
Conclusions:
I. Some papers are files.
II. All maps are files.
III. Some maps are not paints.

Ans $\times 1$. Only conclusion II and III follow
X 2. Only conclusions I and II follow
X 3. All of the conclusions follow
4. Only conclusion I and III follow
Q. 17 In a code language, 'GOLFER' is coded as ' 63 ' and 'PROVE' is coded as ' 76 '. How will 'CURSE' be coded in that language?
Ans
X 1.86
$\times 2.75$
$\times 3.85$

- 4.66
Q. 18 Select the correct option that indicates the arrangement of the following words in a
logical and meaningful order. (From Small to Big)
1.Apartment
2.Building
3.Room
4.Town
5.Complex

Ans
X 1.2,1,3,5, 4
X2.1,3,2, 4, 5
X $3.3,5,4,1,2$

- $4.3,1,2,5,4$
Q. 19 ' $A \& B$ ' means ' $A$ is the mother of $B$ '.
' $A$ ^ $B$ ' means ' $A$ is the brother of $B$ '.
' $A$ @ $B$ ' means ' $A$ is the sister $B$ '.
If $P \& Q^{\wedge} R @ S^{\wedge} T$, then how is $S$ related to $P$ ?
Ans
X1.Daughter
X 2. Brother
X 3. Sister
- 4. Son
Q. 20 Which of the given letter-clusters will replace the question mark (?) in the following series?
UDPJ, YHTN, CLXR, ?, KTFZ
Ans

1. GPBV

X 2. GPCU
X 3. GPBU
X4.GPBW
Q. 21 Which letter cluster will replace the question mark (?) to complete the given series? ABCD, EEEE, ?, MKIG, QNKH
Ans

1. IHGF

X 2. IFGG
X 3. IFGH
X4. IHFG
Q. 22 In a certain code language, 'HAPPY' is written as ' 12 ' and 'SORROW' is written as ' 9 '. How will 'DELIGHT' be written in that language?
Ans
$\times 1.12$
$\times 2.13$
$\times 3.10$

- 4.11
Q. 23 Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.
8:14:: 13 : 24 :: $9:$ ?
Ans $\times 1.15$
- 2.16
$\times 3.17$
$\times 4.13$
Q. 24 Select 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.
SPRUCES : RPSSECU :: ALRIGHT : RLATHGI :: RESPECT : ?
Ans

1. SERTCEP

X 2. SERCTEP
X 3. SETRCEP
X 4. SERTECP
Q. 25 In a code language, 'keep it simple' is written as '426', 'bring the board games' is written as '5355', 'play by the rules' is written as '4235'. What is the code for the phrase 'puzzles are fun to play' in this language?
Ans
X 1.73334
X2. 63324
$\times 3.64325$
4. 73324
Q. 1 Select the most appropriate meaning of the given idiom.

Fish out of water
Ans $\quad \chi 1$. To be out of the aquatic ecosystem
$\times 2$. To play with fish outside the pond
3. To be out of your comfort zone

X 4. To have some seafood out of water
Q. 2 Select the INCORRECTLY spelt word

Ans $\times 1$. Unlawful
2. Aweful

X 3. Dreadful
4 4. Faithful
Q. 3 Select the most appropriate ANTONYM of the word 'dense' in the given sentence.

The African continent has thick forests but the Sahara desert area has sparse distribution of population.
Ans
X 1. Thick
X 2. Population
X 3. Distribution

- 4. Sparse
Q. 4 Select the most appropriate synonym of the given word. Satisfy
Ans $X 1$. Agitate
X 2. Annoy

3. Delight

X 4. Disappoint

## Q. 5 Select the option that expresses the given sentence in indirect speech.

She informed the students, "The shooting location has already been very crowded and noisy."
Ans
$\chi 1$. She informed the students that the shooting location could already be crowded and noisy.
2. She informed the students that the shooting location was already been crowded and noisy.
3. She informed the students that the shooting location had already been crowded and noisy.
4. She informed the students that if the shooting location had already been crowded and noisy.
Q. 6 Select the most appropriate ANTONYM to replace the italicised word.

We wish them a lifetime of wedded bliss together.
Ans
$\times 1$. merriness
X 2. elatedness
X 3. gaiety

- 4. misery
Q. 7 Select the most appropriate option to fill in the blank.

It is a privilege and I shall be $\qquad$ to meet the king.
Ans
X 1. pleased
X 2. happy
3. obliged

X4. delighted
Q. 8 Select the most appropriate meaning of the given idiom.

## Hit the sack

Ans
X 1. Hitting a bag
X 2. Hitting a person
3. Go to sleep

X4. Fall down

## Q. 9 Select the INCORRECTLY spelt word

Ans
$X$ 1. Eighth
$X$ 2. Tenth
$X$ 3. Nineteenth
4. Nineth
Q. 10 Select the most appropriate option to fill in the blank.

Changes observed in Earth's climate since the early $20^{\text {th }}$ century are $\qquad$ driven
by human activities, particularly fossil fuel burning, which increases heat-trapping greenhouse gas levels in Earth's atmosphere, raising Earth's average surface temperature.
Ans
X 1. overall
X 2. practically
X 3. primitively
4. primarily
Q. 11 Select the option that expresses the given sentence in active voice.

The parcel could have been misplaced by the delivery boy.
Ans
Х 1. The delivery boy can misplace the parcel.
X 2. The delivery boy has misplaced the parcel.
3. The delivery boy could have misplaced the parcel.

X 4. The delivery boy have had misplaced the parcel.
Q. 12 Select the most appropriate option to fill in the blank.

The dancers were $\qquad$ to know the results of the All India Dance Competition.
Ans

1. curious

X 2. bland
X 3. ambiguous
X 4. certain
Q. 13 Select the most appropriate option that can substitute the underlined words in the given sentence.

Fashion is something that lasts only for a short time.
Ans

1. ephemeral
$\times 2$. entirety
X 3. eternal
X4. euphoria
Q. 14 Select the most appropriate synonym of the given word.

Boisterous
Ans

1. Lively
$\times 2$. Tough
X 3. Recluse
X4. Bold
Q. 15 Identify the spelling error in the given sentence and select the option that rectifies the error.

You may reffer to our research findings in this document.
Ans
X 1. documant
X 2. mey
X 3. resaerch
4. refer

## Comprehension:

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This mindset improves confidence and releases pressure because you don't always feel like you're coming up short. It also lessens the risk of injury-emotional and physical-since there isn't a perceived need to put forth heroic efforts every day. The result is more consistent performance that compounds over time. Research shows that sustainable progress, in everything from diet to fitness to creativity, isn't about being consistently great; it's about being great at being consistent. It's about being good enough over and over again.
A wonderful case study is Eliud Kipchoge, who just shattered the marathon world record. He's literally the best in the world at what he does. Yet Kipchoge says that the key to his success is not overextending himself in training. He's not fanatical about trying to be great all the time. Instead, he has an unwavering dedication to being good enough. He recently told The New York Times that he rarely, if ever, pushes himself past 80 per cent- 90 per cent at most-of his maximum effort during workouts. This allows Kipchoge to string together weeks and weeks of consistent training. "I want to run with a relaxed mind," he says.
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It's a paradox. A good-enough mindset might very well be the key to being great and happy. The less you want to be happy, the happier you'll be. The less you need to perform better, the better you'll perform. Just think about your own life. During the times you were happiest and performed best, were you striving? Were you chasing after something? Or were you more like Kipchoge-grounded, at peace, and feeling good enough with what was in front of you? This doesn't mean you should never desire productive change or improvement. Quite the opposite. Though they may run counter to so much of the current ethos, adopting the following core principles of good enough is likely the best route to being happier and getting better.

SubQuestion No: 16
Q. 16 Select the most appropriate synonym of the word depression stated in para 2 of the given passage.
Ans
X 1 . Humor
2. Despondence

X 3. Jollity
Х 4. Gleefulness

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SubQuestion No: 17
Q. 17 Select the most appropriate synonym of the word epidemic stated in para 2 of the given passage.
Ans

1. Ailment

X 2. Slump
X 3. Calm
X4. Doldrums

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SubQuestion No : 18
Q. 18 Select the most appropriate synonym of the word perceived stated in para 5 of the given passage.
Ans
X 1. Neglected
X 2. Ignored
X 3. Disregarded
4. Anticipated

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SubQuestion No : 19
Q. 19 Select the most appropriate synonym of the word marathon stated in para 6 of the given passage.
Ans
X 1. Ephemeral
2. Extended

X 3. Momentary
X4. Fleeting

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A wonderful case study is Eliud Kipchoge, who just shattered the marathon world record. He's literally the best in the world at what he does. Yet Kipchoge says that the key to his success is not overextending himself in training. He's not fanatical about trying to be great all the time. Instead, he has an unwavering dedication to being good enough. He recently told The New York Times that he rarely, if ever, pushes himself past 80 per cent- 90 per cent at most-of his maximum effort during workouts. This allows Kipchoge to string together weeks and weeks of consistent training. "I want to run with a relaxed mind," he says.
Unlike so many other runners who have tried and failed to break the world marathon record, Kipchoge has never been obsessed with the mark. Prior to his record-setting race, when asked about his mindset, he told The Times, "To be precise, I am just going to try to run my personal best. If it comes as a world record, I would appreciate it. But I would treat it as a personal best." Kipchoge puts running in its place, which, for him, is in the here and now, not in striving to meet ever increasing expectations. "When I run," he says, "I feel good. My mind feels good. I sleep in a freeway, and I enjoy life."
It's a paradox. A good-enough mindset might very well be the key to being great and happy. The less you want to be happy, the happier you'll be. The less you need to perform better, the better you'll perform. Just think about your own life. During the times you were happiest and performed best, were you striving? Were you chasing after something? Or were you more like Kipchoge-grounded, at peace, and feeling good enough with what was in front of you? This doesn't mean you should never desire productive change or improvement. Quite the opposite. Though they may run counter to so much of the current ethos, adopting the following core principles of good enough is likely the best route to being happier and getting better.

## SubQuestion No : 20

Q. 20 Select the most appropriate synonym of the word precise stated in para 6 of the given passage.
Ans
X1. Coarse
2. Veracious

X 3. Inexact
Х4. Defective

## Comprehension:

Read the given passage and answer the questions that follow.
Indeed, the path she had chosen was full of difficulties. It was almost an unimaginable thing in those days for a woman of means to live a life of independence, but the particular profession for which Florence had trained herself was a disreputable one. Thus, nurses in those days were noted for their immoral conduct. They could hardly be trusted to carry out the simple medical duties. No wonder, therefore, that Florence's parents did not like that their daughter should take up the profession. Florence, however, did not see eye to eye with them. She felt wretched. Her sadness increased.

SubQuestion No : 21
Q. 21 Select the option that gives the closest meaning of the following phrase:

A WOMAN OF MEANS
Ans $\quad$ 1. A graceful woman
2. A wealthy woman

X 3. A mean woman
X 4. A compassionate woman

## Comprehension:

Read the given passage and answer the questions that follow.
Indeed, the path she had chosen was full of difficulties. It was almost an unimaginable thing in those days for a woman of means to live a life of independence, but the particular profession for which Florence had trained herself was a disreputable one. Thus, nurses in those days were noted for their immoral conduct. They could hardly be trusted to carry out the simple medical duties. No wonder, therefore, that Florence's parents did not like that their daughter should take up the profession. Florence, however, did not see eye to eye with them. She felt wretched. Her sadness increased.

SubQuestion No : 22
Q. 22 Select the most appropriate ANTONYM of the following word:

WRETCHED
Ans
X 1. Fevered
X 2. Miserable
3. Cheerful

Х4. Churning


## Comprehension:

Read the given passage and answer the questions that follow.
Indeed, the path she had chosen was full of difficulties. It was almost an unimaginable thing in those days for a woman of means to live a life of independence, but the particular profession for which Florence had trained herself was a disreputable one. Thus, nurses in those days were noted for their immoral conduct. They could hardly be trusted to carry out the simple medical duties. No wonder, therefore, that Florence's parents did not like that their daughter should take up the profession. Florence, however, did not see eye to eye with them. She felt wretched. Her sadness increased.

SubQuestion No : 23
Q. 23 Identify the style in which the given passage has been written.

Ans
X 1. Argumentative
2. Narrative

Х 3. Descriptive
X 4. Dramatic

## Comprehension:

Read the given passage and answer the questions that follow.
Indeed, the path she had chosen was full of difficulties. It was almost an unimaginable thing in those days for a woman of means to live a life of independence, but the particular profession for which Florence had trained herself was a disreputable one. Thus, nurses in those days were noted for their immoral conduct. They could hardly be trusted to carry out the simple medical duties. No wonder, therefore, that Florence's parents did not like that their daughter should take up the profession. Florence, however, did not see eye to eye with them. She felt wretched. Her sadness increased.

SubQuestion No : 24
Q. 24 Select from among the given options the most suitable title for the passage.

Ans 1. Florence and Her Dilemma
X 2. A Woman of Means
X 3. A Life of Independence
Х 4. Nursing as a Profession

## Comprehension:

Read the given passage and answer the questions that follow.
Indeed, the path she had chosen was full of difficulties. It was almost an unimaginable thing in those days for a woman of means to live a life of independence, but the particular profession for which Florence had trained herself was a disreputable one. Thus, nurses in those days were noted for their immoral conduct. They could hardly be trusted to carry out the simple medical duties. No wonder, therefore, that Florence's parents did not like that their daughter should take up the profession. Florence, however, did not see eye to eye with them. She felt wretched. Her sadness increased.

SubQuestion No : 25

## Q. 25 Which of the following inferences CANNOT be drawn from the given passage?

Ans
X 1. The path Florence chose was full of obstacles.
2. A woman of means has always lived a life of independence.

X 3. Florence did not share her parents' opinion regarding the nursing profession.
4. The nursing profession was considered to be of doubtful reputation in Florence's times


Section : Quantitative Aptitude
Q. 1 A cone with radius 7 m is 6 m high. Find the volume ( $\mathrm{in} \mathrm{m}^{3}$ ) of the cone.
(Take $\pi=\frac{22}{7}$.)
Ans $\times 1.306$
$\times 2.302$
X 3.304

- 4.308
Q. 2 If on a marked price, the difference of selling prices with a discount of $42 \%$ and two successive discounts of $15 \%$ and $10 \%$ is Rs. 185 , then the marked price is:
Ans
X 1.Rs.1,280

2. Rs.1,000

X 3.Rs.1,320
X 4.Rs.1,500
Q. 3 The fourth proportional to $12,15,24$ is:

Ans $\times 1.20$
2. 20
$\times 3.25$
$\times 4.32$
Q. 4 Find the nearest integer to 5347 which is exactly divisible by 137.

Ans $\times 1.5243$
2. 5343
3. 5141
$\times 4.5247$
Q. 5 In 1 day, 25 bottles are packed by Arjun, while 22 bottles are packed by Karan in the same time. They are working on alternate days such that Arjun works on the 1st day, Karan on 2nd, Arjun on 3rd and so on. How many bottles will be packed in 9 days?
Ans
X1. 195
X2. 210
×3. 188

- 4.213
Q. 6 A man walks from point $A$ to $B$ at a speed of $15 \mathrm{~km} / \mathrm{h}$, but comes back from point $B$ to A at a speed of $25 \mathrm{~km} / \mathrm{h}$. Find his average speed.
Ans
X $1.17 .75 \mathrm{~km} / \mathrm{h}$
× $2.22 \mathrm{~km} / \mathrm{h}$

3. $18.75 \mathrm{~km} / \mathrm{h}$
4. $20.70 \mathrm{~km} / \mathrm{h}$
Q. 7 A man donates $5 \%$ of his monthly income to an orphanage and deposits $20 \%$ of the remaining income in a bank. If he is left with Rs.14,250, find his monthly income.
Ans
5. Rs. 18,750

X 2. Rs.19,250
X 3.Rs.17,500
X 4. Rs.20,500
Q. 8 What is the difference between the total surface area and the curved surface area of a hemisphere when the radius is 6.3 cm ? (Take $\pi=\frac{22}{7}$ )

Ans
X1. $123.86 \mathrm{~cm}^{2}$
2. $114.86 \mathrm{~cm}^{2}$
$\times 3.121 .81 \mathrm{~cm}^{2}$
大 $4.124 .74 \mathrm{~cm}^{2}$
Q. 9 The total number of students in three sections $A, B$ and $C$ of a class in a school is 340 . The number of students in sections $A$ and $B$ are in the ratio $3: 5$ and those in sections $B$ and $C$ are in the ratio $3: 2$. What is the mean proportional between number of students in section $A$ and the number of students in section $C$ ?

Ans
$\times 1.73 \sqrt{5}$
$\times 2.78 \sqrt{3}$
X ${ }^{3 .} 61 \sqrt{2}$
4. $30 \sqrt{10}$
Q. 10 In an election, a candidate who gets $78 \%$ votes is elected by a margin of 504 votes.

What is the total number of votes polled?
Ans
$\times 1.800$
X2. 750

- 3.900

4. 850
Q. 11 Ansh bought a smartphone from his colleague Sameer for Rs.45,540 such that Sameer earned a profit of $10 \%$. Sameer bought the phone from Anita, on which Anita earned a profit of $15 \%$. Sujata sold that phone to Anita earning a profit of $20 \%$. At what price (in Rs.) had Sujata bought the phone?
Ans
X 1. 25,000
5. 30,000

X 3 . 35,000
X4.33,000
Q. 12 The average weight of 35 students in a class increases by $2 \mathbf{k g}$, when one of the students weighing 35 kg is replaced by a teacher. What is the weight of the teacher?
Ans
X 1.101 kg
X 2. 107 kg
X 3.103 kg
4. 105 kg
Q. 13 Find the average of the prime numbers lying between 68 and 96 .

Ans 1.79
$\times 2.81$
$\times 3.80$
$\times 4.78$
Q. 14 Krishna bought a computer and paid $25 \%$ less than its original price. He sold it at 48\% profit on the price he had paid. Find the percentage of profit earned by Krishna on the original price.
Ans

1. $11 \%$

X $2.12 \%$
× $3.13 \%$
X4.10\%
Q.15 A school is running tree plantation drive to bring awareness among students about the environment. If 3 teachers can complete the work of tree plantation in 4 days and 4 students take 6 days to do the same work, then how many days will 3 teachers and 2 students take to complete the work of tree plantation?
Ans
-1. 3
X2.8
$\times 3.4$
X4. 6
Q. 16 How much compound interest does Tarun have to pay on a loan of Rs.8,50,000 at the rate of $5 \%$ p.a. over a period of two years in case of annual compounding?
Ans
X 1. Rs.9,57,125
X 2. Rs.1,07,125
X 3. Rs.9,37,125
4. Rs. 87,125
Q. $17 \mathrm{~A}, \mathrm{~B}$ and $C$ are three numbers. If $A$ exceeds $B$ by $70 \%$ and $B$ is $20 \%$ less than $C$, then $A$ : $C$ is:
Ans

1. $32: 23$
$\times 2$. $33: 24$
X 3. $35: 26$

- 4. $34: 25$
Q. 18 The marked price of a T-shirt is ₹ 1,000 . A shopkeeper offers $15 \%$ discount on the Tshirt and then again offers $20 \%$ discount on the new price. How much would the customer have to pay finally?
Ans
X 1. ₹675

2. ₹680

X 3. ₹ 690
X4. ₹685
Q. 19 A policeman follows a thief who is 400 m ahead of him. If they run at the speed of 7
$\mathrm{km} / \mathrm{h}$ and $6 \mathrm{~km} / \mathrm{h}$, respectively, what distance does the policeman run to catch up with the thief?
Ans

1. 2800 m
2. 2700 m
3. 2500 m
4. 2600 m
Q. 20 The population of a town 2 years ago was 62,500 . Due to migration to cities, it decreases every year at the rate of $4 \%$ per annum. Find its present population.
Ans
X 1.55600
$\times 2.51600$
5. 57600
4.53600
Q. 21 A thief is noticed by a policeman from a distance of 800 m . The thief starts running and the policeman chases him. The thief and the policeman run at speeds of $20 \mathrm{~km} / \mathrm{h}$ and $25 \mathrm{~km} / \mathrm{h}$, respectively. What is the distance between them after 9 minutes?
Ans
d 1.50 metres
X 2. 100 metres
$\times 3.70$ metres
$\times 4.90$ metres
Q. 22 A person sold an item for Rs.4,608 and earned a profit of $28 \%$. What is the cost price of the item?
Ans
X 1.Rs.3,500
6. Rs.3,600
7. Rs.3,700
8. Rs.3,800
Q. 23 The mean proportional between 0.012 and 0.027 is:

Ans
X 1.0 .039
X2. 0.0075
X 3.0 .0195
4. 0.018
Q. 24 The initial population of a country is $2,04,800$. If the birth and the death rates are $\mathbf{1 2 \%}$ and $7 \%$, respectively, then find the population of the country after $\mathbf{2}$ years.
Ans

1. 225792

X 2. 226792
X 3.228792
X4. 227792
Q. 25 What is the least value of $k$, so that $23 k 57$ is divisible by 3 ?

Ans
$\times 1.3$
$\times 2.0$
$\times 3.2$

- 4.1


## Section: General Awareness

Q. 1 'A Fine Balance' is written by whom among the following writers?

Ans $\times 1$. Upamanyu Chatterjee
2. Rohinton Mistry

X 3. Ruskin Bond
X 4. Vikram Seth
Q. 2 Which of the following pairs is correctly matched?

Ans

1. Vinegar - Acetic acid
2. Wine - Formic acid
3. Ginger - Citric acid

X 4. Lemon - Acetic acid
Q. 3 Which of the following is true about sex ratio in India during 1951-2011?

Ans $\times 1$. Has been increasing since 1991
2. Has been increasing since 2001

X 3. Has been increasing since 1971
4. Has been increasing since 1951
Q. 4 Which of the following is a unicellular organism?

Ans
X 1. Funaria
X 2. Morchella
3. Paramoecium

X4. Ectocarpus
Q. 5 Who among the following teamed up with flautist Pandit Hariprasad Chaurasia and guitarist Brij Bhushan Kabra and produced a concept album titled 'Call of the Valley'?
Ans
X 1. Ustad Amjad Ali Khan
2. Pandit Shiv Kumar Sharma

X 3. Ustad Zakir Hussain
X 4. Pandit Vishwa Mohan Bhatt
Q. 6 How much collateral-free loan is provided under Pradhan Mantri Mudra Yojana (PMMY)?

Ans
× 1. ₹ 15 lakh
X2. ₹3 lakh
3. ₹ 10 lakh

X4. ₹5 lakh
Q. 7 Identify the option that arranges the speed of light in descending order in different mediums.
Ans
X 1. Water > Air > Glass > Diamond
X 2 . Glass $>$ Water $>$ Air $>$ Diamond
X 3. Diamond > Water > Air > Glass
4. Air $>$ Water $>$ Glass $>$ Diamond
Q. 8 Fundamental Duties are placed in which part of the Constitution?

Ans
X 1. Part-II B
2. Part-III D
3. Part-IC
4. Part-IV A
Q. 9 In which Indian city is Itmad-ud-Daulah's tomb located?

Ans
X 1. Daulatabad
X 2. Bijapur
3. Agra

X 4. Mysore

## Q. 10 Who formed the Swaraj Party?

Ans 1.CR Das and Motilal Nehru
X 2. Mahatma Gandhi and Jawaharlal Nehru
X 3. CR Das and Annie Besant
X4. CR Das and Abul Kalam Azad

## Q. 11 Which of the following are gharanas related to Kathak?

Ans
X 1. Gwalior and Agra
X 2. Patiala and Indore
X 3. Ajrara and Delhi
4. Jaipur and Lucknow
Q. 12 In 1972, which Act was implemented to protect wildlife in India?

Ans 1. The Wildlife (Protection) Act
X 2. Biological Diversity Act
X 3. The Environment Protection Act
X 4. Forest Act
Q. 13 Who built the famous Mahabodhi temple in Bodhgaya, Bihar?

Ans $\times 1$. Devvarman
X 2. Brih adratha
3. Ashoka

X 4. Bindusara
Q. 14 'Bihu' is majorly celebrated in which of the following states of India?

Ans

1. Assam

X 2. Himachal Pradesh
X 3. Maharashtra
X 4. Kerala
Q. 15 In the court of Chandragupta Maurya, Megasthenes was an ambassador of who among the following Greek kings?
Ans
$\times 1$. Diodotus
2. Demetrius
3. Seleucus Nicator I

X4. Antigonus
Q. 16 The Constitution (SC and ST) Order (Amendment) Bill, 2022 to remove Bhogta caste from the list of Scheduled Castes (SC) and include certain communities in the list of Scheduled Tribes (ST) for $\qquad$ was introduced in the Rajya Sabha in February 2022.

Ans

1. Jharkhand
2. Chhattisgarh
3. Bihar

X 4. Madhya Pradesh
Q. 17 What is the width of a cricket pitch?

Ans
X 1.12 feet
2. 10 feet

X 3.16 feet
X4. 14 feet
Q. 18 When was the Border Road Organisation established in India?

Ans
X1. 1980
X2. 1990

- 3.1960

X4. 1970
Q. 19 On 24 February 2022, how many years of existence did the Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) Scheme complete?

Ans

## 1. Three

2. Four
3. One
4. Two
Q. 20 Who among the following launched the 'Ubharte Sitaare Fund'?

Ans $\times 1$. Ministry of Micro, Small and Medium Enterprises
X 2. Ministry of Rural Development
X 3. Ministry of Education
4. Ministry of Finance
Q. 21 Writer of Kitab-ul-Hind, AI-Biruni, came to India along with who among the following Turkish rulers in 9th century AD?
Ans
X 1. Masud I
2. Mahmud of Ghazni
3. Khusrau Shah
4. Bahram Shah
Q. 22 Under the Regulating Act of 1773, a Supreme Court was established at which of the following places?
Ans
X 1. Agra
2. Calcutta

X 3. Delhi
X 4. Bombay
Q. 23 The twelve yearly festival of Mahamaham is celebrated in which Indian state?

Ans

1. Tamil Nadu

X 2. Andhra Pradesh
X 3. Telangana
X4. Karnataka
Q. 24 How many times has India won the U-19 ICC Cricket World Cup?

Ans
X 1 . One
2. Five

X 3. Two
$\times 4$. Four
Q. 25 Name the layer of the Earth that is about 2200 kilometres ( 1367 mi ) thick, composed mostly of nickel, iron, and molten rock and where temperatures can reach up to $50,000^{\circ} \mathrm{C}$ ?
Ans
X 1. Oceanic crust
X 2. Continental crust
3. Outer core
4. Mantle

