Selection Post Phase IX 2021 Matriculation level

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name |  |
| Exam Date | 14/03/2022 |
| Exam Time | 9:00 AM - 10:00 AM |
| Subject | Selection Post Matriculation Level |

## Section : General Intelligence

Q. 1 In a certain code, $P+Q$ means ' $Q$ is the son of $P$ '; $P @ Q$ means ' $Q$ is the daughter of $P$ '; $P \$ Q$ means ' $Q$ is the brother of $P$ '; $P \% Q$ means ' $P$ is the father of $Q$ ' and $P \# Q$ means ' $P$ is the mother of $Q$ '.
Which of the following is true?
Ans
X 1. C @ D \$ F \% G means $G$ is the grandson of $C$.
$X 2 . A+B \$ C \% D$ means $A$ is the maternal grandfather of $D$.
3. $\mathrm{K}+\mathrm{L} \$ \mathrm{M}$ @ N means N is the granddaughter of K .

X4. G \% H \# K \$ L means $L$ is the son-in-law of $G$.
Q. 2 Five persons $K, L, P, N$ and $O$ are sitting in a straight line, all facing in the same direction. $L$ is second to the right of $N$. $K$ is third to the right of $P$. $O$ is sitting adjacent to K . Who is sitting to the immediate left of P ?

Ans
$\times 1 . \mathrm{L}$
2. N
$\times 3.0$
X4.K
Q. 3 Select the figure from among the given options that can replace the question mark (?) in the following series.

| $\Rightarrow$ | $\Omega$ | $\infty$ | $?$ |
| :---: | :---: | :---: | :---: |
| $\hat{\Delta}$ | $\leftrightarrow$ | $凸$ | $?$ |

Ans

$\times 4$

Q. 4 Eight friends A, B, C, D, E, F, G and H are sitting around a circular table, all facing towards the centre. Only B is between H and D. Only C is between H and E. E is fourth to the right of $D$. B is third to the right of $E$. Only $F$ is between $G$ and $A$. G is not adjacent to $D$. Who is sitting second to right of $B$ ?
Ans
X1.F
2. A

X 3. C
X4.H
Q. 5 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. California
2. North America
3. World
4. United States of America
5. Universe

Ans
X 1.4, 2, 1, 3, 5
X 2.1,4,3,2,5
X 3.1,2,4,5,3
4. 1, 4, 2, 3, 5
Q. 6 In a certain code language, 'PRESUME' is written as 'EEMPRSU'. How will 'NOCTURNAL' be written in that language?
Ans

1. ACLNNORTU

人 2. ACNLNORTU
X 3. ACLNNTORU
X 4. ACLNNOUTR
Q. 7 Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

7:9: 9 : ? : : 6 : 2
Ans
X 1.25
$\times 2.26$

- 3.28
$\times 4.22$
Q. 8 Pointing to a photograph of Vikrant, Shashi said, "He is my father's mother's husband's daughter's husband". How is Vikrant's wife related to Shashi's father?
Ans
X 1. Daughter

2. Sister
3. Niece
(4. Mother
Q. 9 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
4. Serene
5. Serious
6. Service
7. Severe
8. Seepage

Ans
X $1.5,1,3,2,4$
X 2.5,2,1,3, 4
3. $5,1,2,3,4$

X4.4,1,2,3,5
Q. 10 Select the option that is related to the third term in the same way as the second term is related to the first term.

NECTAR : FHQUDW : : PLEASE : ?
Ans
X 1. HOSDVH
X 2. HORDVG
3. HOSHVD

X 4. HPSEVH
Q. 11 Select the number from among the given options that can replace the question mark (?) in the following series.

50, 66, 87, 113, 144,?
Ans

1. 180
$\times 2.170$
X 3.190
2. 200
Q. 12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
Some parks are fields.
Some fields are houses.
Conclusions:
I. Some houses are parks.
II. Some fields are parks.

Ans
X 1. Only conclusion I follows
X 2. Either conclusion I or II follows
X 3. Both conclusions I and II follow
4. Only conclusion II follows
Q. 13 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BER, EAT, HWV, ?, NOZ
Ans
X 1. LSX
X 2. KTX
X 3. LSY
4. KSX
Q. 14 In a certain code language, 'SUN' is coded as ' 384228 '. How will 'PRICE' be coded in that language?
Ans
X 1.323416610
X 2. 303618810

- 3. 323618610

X4. 323618812
Q. 15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:
No Lilly is a Rose.
All Roses are Jasmines.
Conclusions:
I. No Lilly is a Jasmine.
II. No Jasmine is a Lilly.
III. Some Jasmines are Roses.
IV. All Jasmines are Roses.

Ans
X 1. Both conclusions I and IV follow.
X 2. Only conclusion I follows.
3. Only conclusion til follows.

X 4. Both conclusions I and II follow.
Q. 16 Which two numbers (not digits) should be interchanged to make the given equation correct?
$48+12 \times 8-24 \div 8=114$
Ans
X 1.48 and 8
2. 48 and 24

X 3. 24 and 12
X4. 12 and 8

Q． 17 Select the number from among the given options that can replace the question mark （？）in the following series．
$12,18,30,54,102$ ，？
Ans
$\times 1.146$
$\times 2.180$
－ 3.198
$\times 4.204$

Q． 18 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series．

$$
\mathrm{ZK}_{-} \mathrm{R}_{-} \mathrm{Z}_{-} \mathrm{M} \mathrm{R}_{-} \mathrm{ZKM} \mathrm{M}_{-} \mathrm{T}_{-} \mathrm{KM} \mathrm{M}_{-} \mathrm{T}
$$

Ans $\quad$ 1．MTKTRTR
X 2．MTKZRZR
3．MTKTRZR
X4．ZTKTRZR

Chosen Option ： 4

Q． 19 In a certain code language，＇PLASTIC＇is written as＇OKZRSHB＇．How will＇NORMAL＇be written in that language？

Ans $\times 1$ ．ONSLZK
2．MNQLZK
X 3．MNQNZM
X 4．MNPRZK

Q． 20 Select the correct mirror image of the given combination when the mirror is placed at＇PQ＇as shown．
WRGNP $\left.\right|_{Q} ^{P}$
Ans

$\times 2$－N 5 Я W
${ }^{\times}$甲 И ロ 女 M

Q. 21 In a certain code language, 'RUST' is coded as ' 7539 ' and 'SORE' is coded as ' 3472 '. How will 'TRUE' be coded in that language?
Ans

1. 9752
2. 9725
3. 4372
4. 4732
Q. 22 In a certain code language, 'BREAK' is coded as ' 259222616 '. How will 'FEVER' be coded in that language?
Ans
X 1.21226228

- 2. 21235239

3. 21225229

X 4.20225219
Q. 23 Select the option that is related to the third word in the same way as the second word is related to the first word.

Orthopaedic : Bone Fracture : : Dermatologist : ?
Ans

1. Psoriasis
2. Tinnitus
3. Arthritis
4. Conjunctivitis
Q. 24 Select the option in which the given figure is embedded (rotation is NOT allowed).
$\square$
Ans
$\times 1$


Q. 25 In a certain code language, 'CONSULT' is written as 'FOQRVWX'. How will 'MAGNETS' be written in that language?
Ans
5. DHJPVQW

X 2. DHPJVQW
X 3.DHPJQVW
4. DHJPQVW

## Section: English Language

Q. 1 Select the INCORRECTLY spelt word.

Ans $\times 1$. Dislodge
$X$ 2. Diligent
$\times 3$. Divulge
4. Disuade
Q. 2 Select the option that expresses the given sentence in indirect speech.

He said to me, " Please drop me home in your car."
Ans
X 1. I told him to drop me home in my car.
2. He requested me to drop him home in my car.

X 3. He asked me to drop him home in your car.
X 4. He said to me please drop me home in your car.
Q. 3 Select the most appropriate option to fill in the blank.

You have packed your warm clothes, $\qquad$ ?
Ans
$X$ 1. did you
X 2. didn't you
2. haven't you

X 4. have you
Q. 4 Select the most appropriate meaning of the given idiom.
follow suit
Ans
$\times 1$. try a costume
2. do the same as others
$X 3$. get on well with others
X 4. go after someone
Q. 5 Select the most appropriate synonym of the given word.

## BLEND

Ans

1. merge
$\times 2$. part
$X$ 3. divide
X 4. separate
Q. 6 Select the most appropriate synonym of the given word.

## Conflict

Ans
X 1 . Surrender
2. Battle
3. Agreement

X 4. Attack
Q. 7 Select the option that can be used as a one-word substitute for the given group of words.

A place where government records are kept
Ans
X 1. Godown
2. Archive

X 3. Library
X 4. Warehouse
Q. 8 Select the most appropriate option to fill in the blank.

The guard insisted $\qquad$ seeing the ID card of the visitor.
Ans
$X$ 1. to
$\times 2$. for

- 3. on

X 4. with
Q. 9 Select the misspelt word.

Ans

1. presentor
2. superior

X 3. mentor
4. cricketer
Q. 10 Select the most appropriate antonym of the given word.
restore
Ans
X 1. remove
2. damage
$X$ 3. claim
X 4. repeat
Q. 11 Select the most appropriate meaning of the given idiom.

Swim with the tide
Ans

1. Agree with the popular opinion

X 2. Accept your fault
X 3. Do something again and again
X 4. Going for a swim during the high tide
Q. 12 Select the most appropriate ANTONYM of the given word.

Somber
Ans
X 1. Boastful
X 2. Mournful
$X$ 3. Doleful
4. Cheerful
Q. 13 Select the INCORRECTLY spelt word.

Ans

1. Hospitelity
$X$ 2. Hostel
X 3. Hostile
$X$
2. Hostage
Question ID: 65497841446
Status : Answered
Chosen Option : 1
Q. 14 Select the option that expresses the given sentence in passive voice.

The green leaves of plants absorb the carbon dioxide.
Ans

1. The carbon dioxide is absorbed by the green leaves of plants.
2. The carbon dioxide absorbs the green leaves of plants.
3. The green leaves are absorbed by the carbon dioxide of plants.
4. The carbon dioxide is being absorbed by the green leaves of plants.
Q. 15 Select the option that can be used as a one-word substitute for the given group of words.

## a low area of land between hills

Ans
X 1. plateau
$X$ 2. beach
X 3. gulf
4. valley

## Comprehension:

Read the given passage and answer the questions that follow.
What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then , that the first thing most of us like to see when we pick up a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour. Cartoonists say that the cartoons that make us laugh the most are in fact the cartoons that are hardest to make. Even celebrated cartoonists like RK Laxman admit that making a cartoon is not a piece of cake. Laxman says he has to wait for over six hours, which includes spending a lot of time scanning newspapers and television channels before any idea strikes him. So how does one become a cartoonist? Which one of us has the talent to make it? How can we master the rib-tickling strokes and the witty one-liners? How can we make people smile or laugh? There are few colleges or schools for cartoonists. Most cartoonists come from art colleges, while some learn the craft on their own. Most established cartoonists are of the view that no institute can teach you to make a cartoon. "You can pick up the craft, you may learn to sketch and draw in institutes , but no one can teach anyone how to make a good cartoon," says Uday Shanker, a cartoonist with Navbharat Times. While basics, like drawing and sketching can be learnt in an art college, and are important skills, these alone, do not make a good cartoonist. Because it's a question of one's creativity and sense of humour; two qualities one simply may not have. The advice that established cartoonists give is that just because you can sketch, don't take it for granted that you will become a successful cartoonist.

SubQuestion No: 16
Q. 16 What is the advice given by established cartoonists?

1. Do not assume you can become a cartognist just because you can sketch.
2. Everyone has the talent to become a good cartoonist.
3. Cartoons that make us laugh should have pointed one-liners.
4. Knowledge of current affairs is important for a cartoonist.

## Comprehension:

Read the given passage and answer the questions that follow.
What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then, that the first thing most of us like to see when we pick up a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour. Cartoonists say that the cartoons that make us laugh the most are in fact the cartoons that are hardest to make. Even celebrated cartoonists like RK Laxman admit that making a cartoon is not a piece of cake. Laxman says he has to wait for over six hours, which includes spending a lot of time scanning newspapers and television channels before any idea strikes him. So how does one become a cartoonist? Which one of us has the talent to make it? How can we master the rib-tickling strokes and the witty one-liners? How can we make people smile or laugh? There are few colleges or schools for cartoonists. Most cartoonists come from art colleges, while some learn the craft on their own. Most established cartoonists are of the view that no institute can teach you to make a cartoon. "You can pick up the craft, you may learn to sketch and draw in institutes , but no one can teach anyone how to make a good cartoon," says Uday Shanker, a cartoonist with Navbharat Times. While basics, like drawing and sketching can be learnt in an art college, and are important skills, these alone, do not make a good cartoonist. Because it's a question of one's creativity and sense of humour; two qualities one simply may not have. The advice that established cartoonists give is that just because you can sketch, don't take it for granted that you will become a successful cartoonist.

SubQuestion No: 17
Q. 17 Which of the following is most important in the making of a good cartoonist?

X 1. Hard work
$\times 2$. Training
X 3. Drawing skill
4. Sense of humour

## Comprehension:

Read the given passage and answer the questions that follow.
What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then, that the first thing most of us like to see when we pick up a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour.
Cartoonists say that the cartoons that make us laugh the most are in fact the cartoons that are hardest to make. Even celebrated cartoonists like RK Laxman admit that making a cartoon is not a piece of cake. Laxman says he has to wait for over six hours, which includes spending a lot of time scanning newspapers and television channels before any idea strikes him. So how does one become a cartoonist? Which one of us has the talent to make it? How can we master the rib-tickling strokes and the witty one-liners? How can we make people smile or laugh? There are few colleges or schools for cartoonists. Most cartoonists come from art colleges, while some learn the craft on their own. Most established cartoonists are of the view that no institute can teach you to make a cartoon. "You can pick up the craft, you may learn to sketch and draw in institutes , but no one can teach anyone how to make a good cartoon," says Uday Shanker, a cartoonist with Navbharat Times. While basics, like drawing and sketching can be learnt in an art college, and are important skills, these alone, do not make a good cartoonist. Because it's a question of one's creativity and sense of humour; two qualities one simply may not have. The advice that established cartoonists give is that just because you can sketch, don't take it for granted that you will become a successful cartoonist.

SubQuestion No : 18
Q. 18 "making a cartoon is not a piece of cake." This means that creating cartoons is:

Ans
X 1. a basic skill
$X 2$. a very simple task
X 3. a rare talent
4. a tough challenge

## Comprehension:

Read the given passage and answer the questions that follow.
What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then, that the first thing most of us like to see when we pick up a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour. Cartoonists say that the cartoons that make us laugh the most are in fact the cartoons that are hardest to make. Even celebrated cartoonists like RK Laxman admit that making a cartoon is not a piece of cake. Laxman says he has to wait for over six hours, which includes spending a lot of time scanning newspapers and television channels before any idea strikes him. So how does one become a cartoonist? Which one of us has the talent to make it? How can we master the rib-tickling strokes and the witty one-liners? How can we make people smile or laugh? There are few colleges or schools for cartoonists. Most cartoonists come from art colleges, while some learn the craft on their own. Most established cartoonists are of the view that no institute can teach you to make a cartoon. "You can pick up the craft, you may learn to sketch and draw in institutes , but no one can teach anyone how to make a good cartoon," says Uday Shanker, a cartoonist with Navbharat Times. While basics, like drawing and sketching can be learnt in an art college, and are important skills, these alone, do not make a good cartoonist. Because it's a question of one's creativity and sense of humour; two qualities one simply may not have. The advice that established cartoonists give is that just because you can sketch, don't take it for granted that you will become a successful cartoonist.

SubQuestion No: 19
Q. 19 It can be inferred from the passage that:

Ans $\quad$ 1. all cartoonists get ideas from newspapers
2 2. making cartoons is a combination of art and wit
X 3. any good artist can become a cartoonist
X 4. creativity can be acquired in institutes

## Comprehension:

Read the given passage and answer the questions that follow.
What writers struggle to express through numerous newspaper columns, the cartoon manages in a pointed one-liner. Little wonder then, that the first thing most of us like to see when we pick up a newspaper is the cartoon. Simple though it may seem, making a cartoon is an art that requires a combination of hard work, training and a good sense of humour.
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SubQuestion No : 20
Q. 20 According to the author what is the first thing most of us like to see in a newspaper?

Ans
X 1. Art
X 2. Headlines
X 3. Craft
4. Cartoon

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Until the 3rd century AD, the town of Baia was the most coveted destination for wealthy Roman citizens, senators, and emperors.
Now, it's hidden (1) $\qquad$ the sand and pebbles in the waters of the Gulf of Pozzuoli, just a
few kilometers (2) $\qquad$ Naples, Italy, and the only residents are fish and seahorses.
The slow (3) $\qquad$ of land from volcanic activity caused the land to submerge, and in 1969, divers (4) the ruins of two marble statues by chance. About 15,000 divers, snorkelers, and tourists visit the (5) $\qquad$ all year round to travel back in time and swim through ancient streets, mosaics, statues, and the remains of a seaside resort.

SubQuestion No : 21
Q. 21 Select the most appropriate option to fill in the blank No. 1.

Ans
$X 1$. besides
$X$ 2. beyond
X 3. beside

- 4. beneath


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Until the 3rd century AD, the town of Baia was the most coveted destination for wealthy Roman citizens, senators, and emperors.
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The slow (3) $\qquad$ of land from volcanic activity caused the land to submerge, and in 1969, divers (4) ___ the ruins of two marble statues by chance. About 15,000 divers, snorkelers, and tourists visit the (5) $\qquad$ all year round to travel back in time and swim through ancient streets, mosaics, statues, and the remains of a seaside resort.

SubQuestion No : 22
Q. 22 Select the most appropriate option to fill in the blank No. 2.

Ans

- 1. from
$\times 2$. for
$\times$ 3. to
X 4. with


## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

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SubQuestion No: 23
Q. 23 Select the most appropriate option to fill in the blank No. 3.

Ans
$X 1$. move
X 2. moved
3. movement

X4. mover

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Until the 3rd century AD, the town of Baia was the most coveted destination for wealthy Roman citizens, senators, and emperors.
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SubQuestion No : 24
Q. 24 Select the most appropriate option to fill in the blank No. 4.

Ans

1. discovered

X 2. concealed
$X$ 3. invented
4. searched

## FRESHERS NOW

## Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Until the 3rd century AD, the town of Baia was the most coveted destination for wealthy Roman citizens, senators, and emperors.
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SubQuestion No: 25
Q. 25 Select the most appropriate option to fill in the blank No. 5.

Ans $\times 1$.station
$\times 2$. situation
X 3. sight

- 4. site

Section : Quantitative Aptitude
Q. 1 The speed of a boat in still water is $25 \mathrm{~km} / \mathrm{h}$. It takes $33 \frac{1}{3} \%$ more time to cover a certain distance in still water than to cover the same distance downstream. How much time (in hours) will the boat take to go 75 km downstream?
Ans
$\times 1.3$
2. 2.25

X3. 2
X4. 1.8
Q. 2 If the diameter of the base of a cone is 24 cm and its curved surface area is $1395 \frac{3}{7} \mathrm{~cm}^{2}$, then its volume (in $\mathrm{cm}^{3}$ ) is:

Take $\pi=\frac{22}{7}$
Ans
X1. 5728
$\times 2.5287$

- 3. 5280
-4. 5782
Q. 3 The price of rice, per kg , is increased by $18 \%$ and the quantity of rice brought decreased by $22 \%$. What is the percentage change in the amount spent on rice?
Ans
$\checkmark$ 1. $7.96 \%$ decrease
X 2. 11.2\% increase
X 3. $19.25 \%$ increase

4. 12.64\% decrease
Q. 4 A car can cover a certain distance at a certain uniform speed in 19.2 hours. If the speed is increased by 8 km per hour, the same distance is covered in 18 hours. The distance (in km ) is:
Ans
X1. 2340
X2. 2403
X 3. 2034

- 4. 2304
Q. 5 If $\sqrt{x}-\frac{1}{\sqrt{x}}=\sqrt{7}$, then the value of $x^{3}+\frac{1}{x^{3}}$ is:

Ans
X1. 679
-2. 702
$\times 3.756$
-4. 729
Q. 6 By selling an article at $\frac{9}{11}$ of its actual selling price, a trader incurs a loss of $10 \%$. What will be the profit percentage, if the article is sold for $8 \%$ less than its actual selling price?
Ans
×1. $1 \frac{1}{3}$

- 2. $1 \frac{1}{2}$
-3. $1 \frac{1}{5}$
- 4. $1 \frac{1}{4}$
Q. 7 A certain number of men can do a piece of work in 48 days. If there were 30 more men, it would take 18 days less to complete the work. The number of men, initially, is:
Ans
$\times 1.60$
$\times 2.54$
$\checkmark 3.50$
X4. 72
Q. 8 If $2 x^{2}+5 x-1=0$, then what is the value of $x^{3}-\frac{1}{8 x^{2}}$ ?

Ans
(1. $-\frac{155}{8}$

X2. $-\frac{125}{8}$
X 3. $\frac{145}{4}$
X. $\frac{125}{8}$
Q. 9 A man sells an article at a certain price. If he sells it at $35 \%$ of this selling price, then he has a loss of $22 \%$. If he sells it at its original selling price, then his profit percentage is:
Ans

1. $20 \%$

- 2. $15 \%$
- 3. $13 \%$
-4. $25 \%$
Q. 10 The average of six consecutive odd numbers, in increasing order, is 42. If the next five consecutive odd numbers are included, then what is the average of all the numbers?
Ans

1. 53

X2. 49
X 3. 51
4. 47
Q. 11 The marked price of a washing machine is $₹ 18,725$. A dealer allows two successive discounts of $20 \%$ and $x \%$ on the marked price and sells it for $₹ 14,231$. What is the value of $x$ ?
Ans
$\times 1.6$
2. 5
$\times 3.10$
$\times 4.4$
Q. 12 The monthly incomes of $A$ and $B$ are in the ratio $5: 8, A$ saves $₹ 7,400$ and $B$ saves $₹ 6,500$ per month. If the ratio of the monthly expenditures of $A$ and $B$ is $1: 2$, then the monthly income (in ₹) of $B$ is:

Ans
$X$ 1. ₹ 43,500
X 2. ₹ 39,200
3. ₹ 33,200
X. ₹ 34,100
Q. 13 Eight years ago, the average age of $\mathrm{A}, \mathrm{B}$ and C was 22 years. The average age of A and C after 2 years from now will be 32.5 years. What will be the age (in years) of $B$ after 3 years from now?

Ans
$\times 1.37$
$\times 2.31$
$\times 3.39$
4. 32
Q. 14 A 9-digit number $4856327 x y$ is divisible by 9 and $x-y=6$ What is the value of $\sqrt{4 x+2 y}$ ?

Ans
$\times 1.4$
$\times 2.7$
$\times 3.3$
4. 6
Q. 15 A can do $50 \%$ of a work in 20 days and B can do $66 \frac{2}{3} \%$ of the same work in 40 days. Both work together for 6 days.

The remaining work is completed by C alone in 12 days. Working together, $\mathrm{A}, \mathrm{B}$ and C will complete the same work in:
Ans
X1. $10 \frac{3}{5}$ days
2. $9 \frac{3}{5}$ days

X 3. $7 \frac{3}{5}$ days
4. $8 \frac{3}{5}$ days
Q. 16 The average weight of 54 members of a club is 67.5 kg . If 6 members of average weight 72.5 kg leave and 2 new
members of average weight 62.5 kg join the club, then the average weight (in kg ) of the present members of the club is:
Ans
$\times 1.67 .2$
$\times 2.65 .8$
$\times 3.64 .5$

- 4.66 .7
Q. 17 Raju buys 75 articles at the same price each. He sells one-third of them at a profit of $40 \%$ and $20 \%$ of the remaining at a profit of $20 \%$. He sells the remaining articles at a loss equal to the cost price of 7 articles. What is his gain/loss per cent in the entire transaction?

Ans
$\times 1$ Loss, $6 \frac{2}{3} \%$
2. Gain, $6 \frac{2}{3} \%$

X 3. Gain, $8 \%$
X 4. Loss, $8 \%$
Q. 18 What is the amount (in $₹$ ) on a sum of $₹ 5,120$ at $15 \%$ per annum for $2 \frac{1}{2}$ years, if the interest is compounded 10 monthly?
Ans
. 7,290
X 2. 7,920
$\times 3.9,270$
-4.9,720
Q. 19 The income of Anil is ₹ 45,000 . He saves $16 \%$ of his income. If his income decreases by $5 \%$ and the expenditure increases by $2 \%$, then his savings decrease by:
Ans
X 1. ₹ 2,996
, 2. ₹3,006
X 3. ₹ 3,016
X 4. ₹ 3,026
Q. 20 A shopkeeper marks his goods at $20 \%$ above the cost price. He sells $40 \%$ of the goods at the marked price and the remaining at $30 \%$ discount on the marked price. His gain/loss percentage is:

Ans

1. $1.6 \%$ loss

X 2. 3.3\% gain
x 3. $2.3 \%$ loss
X 4. 3.6\% gain
Q. 21 A sum of ₹ $x$ amounts to ₹ 49,247 at $15 \%$ p.a. in 2 years, interest compounded 8 -monthly. The value of $x$ is:

Ans
$\times 1.42,000$
$\times$ 2. 36,000
$\times 3.38,000$
4. 37,000
Q. 22 A sum of $₹ x$ will amount to $₹ 38,637$ at $8 \%$ p.a. in $2 \frac{3}{4}$ years, when the interest is compounded annually. The value of $x$ is:
Ans

1. 31,250

X 2. 30,175
X 3. 31,375
X4. 30,200
Q. $23 \mathrm{~A}, \mathrm{~B}$ and C are three boxes containing marbles in the ratio $3: 5: 7$ and the total number of marbles is 150 . If 12 marbles are transferred from A to B and 8 marbles are transferred from B to C , then the new ratio of the marbles $\mathrm{A}: \mathrm{B}: \mathrm{C}$ is:
Ans
X1. 9:13:3
2. $3: 9: 13$

X 3. 3:13:9
X4.13:3:9
Q. 24 A man spends $70 \%$ of his income. His income is increased by $28 \%$ but expenditure remains as earlier. By what percentage are his savings increased (correct to one decimal place)?
Ans
X 1. $97.9 \%$
$\times 2.100 .4 \%$
3. $93.3 \%$

X4. $200.5 \%$
Q. 25 If the 5 -digit number $284 x y$ is divisible by 3 and 77 , then the value of $(8 x-y)$ is:

Ans $\times 1.9$
$\times 2.4$
3. 5
-4. 7

Section: General awareness
Q. 1 Which of the following Articles of the Constitution of India deal with Right to Freedom of Religion?
Ans
X 1. Article 32 to 35
2. Article 25 to 28

X 3 . Article 29 to 31
4. Article 36 to 39
Q. 2 Lord Buddha was born in $\qquad$ .
Ans

1. Lumbini, Nepal
2. Bihar, India
3. Bamyan, Afghanistan
4. Cumilla, Bangladesh
Q. 3 Kanch Mahal is located in which of the following districts?

Ans
X 1. Visakhapatnam
2. Agra

X 3. Cuttack
4. Hyderabad
Q. 4 In which year was the All India Kisan Sabha founded in Lucknow with Swami Sahajanand Saraswati as the president?
Ans
X 1.1942
X2. 1930

- 3.1936

4. 1932
Q. 5 As per India Census 2011, which of the following states has the least growth of population in percentage terms between 2001 to 2011?
Ans
X 1. Punjab
X 2. Haryana
X 3. Uttarakhand
5. Himachal Pradesh
Q. 6 Which of the following Indian personalities holds the honour of being the first-ever Indian to perform in the prestigious Royal Albert Hall, London?
Ans
X 1. Dilip Kumar
6. Lata Mangeshkar
7. Jagjit Singh
8. Amitabh Bachchan
Q. 7 Which of the following books was awarded the Booker Prize 2021?

Ans $\quad \times 1$. Klara and the Sun
2. The Promise
3. Somebody's Daughter: A Memoir
4. Cloud Cuckoo Land
Q. 8 The Constitution (One Hundredth One Amendment) Act, 2016 is related to $\qquad$ .
Ans
X 1. national judicial appointments commission
X 2. reservation of seats and special representation to cease after certain period
X 3. establishment of a separate development board for Hyderabad - Karnataka region
4. goods and services tax
Q. 9 Which of the following states is known for Mando Festival?

Ans $\times 1$. Manipur
2. Goa

X 3. Nagaland
4. Kerala
Q. 10 Which of the following states shares the longest land border with Bangladesh?

Ans

1. West Bengal
2. Assam
$X$ 3. Meghalaya
3. Tripura
Q. 11 Which of the following French travellers, who wrote accounts of what he saw,
frequently comparing India with the situation in Europe, was closely associated with the Mughal court, as a physician to Prince Dara Shukoh?
Ans
X 1. Jean-Baptiste Tavernier
4. Duarte Barbosa

X 3. Jesuit Roberto Nobili
4. François Bernier
Q. 12 Which of the following cities lies on the bank of the river Gomti?

Ans
X 1. Kanpur
X 2. Bhopal
X 3. Aligarh
4. Lucknow
Q. 13 The Computer Technology is based on which of the following scientific principals?

Ans $\quad \times 1$. Superconductivity
2. Digital logic

X . Light amplification by stimulated emission of radiation
X 4. Photoelectric effect
Q. 14 'SANKALP', a centrally sponsored scheme of the $\qquad$ is an outcome-focused scheme marking a shift in the government's implementation strategy in vocational education and training from inputs to results.
Ans
$X$ 1. Ministry of Science and Technology
$X$ 2. Ministry of Education
X 3. Ministry of Youth Affairs and Sports
4. Ministry of Skill Development and Entrepreneurship
Q. 15 The Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) of the Government of India is available to people in the age group of $\qquad$ having a bank account who give their consent to join/enable auto-debit.
Ans

1. 18 to 50 years
$\times 2.18$ to 55 years
X 3.19 to 55 years
2. 21 to 60 years
Q. 16 Which of the following statements is INCORRECT regarding DNA?

Ans 1. The bases found in DNA come in only three varieties: adenine, cytosine and guanine.
$X 2$. Genes are made of DNA, and so is the genome itself.
X 3 . DNA is the molecule that is the hereditary material in all living cells.
X 4. DNA is a very large molecule, made up of smaller units called nucleotides.
Q. 17 'Lal Salaam', a novel on the story of a young officer and of the challenges he faces against a system that is steeped in backroom politics and corruption is written by whom among the following Union Ministers?
Ans
$X$ 1. Hardeep Singh Puri
X 2. Nirmala Sitharaman
3. Smriti Zubin Irani

X 4. Ashwini Vaishnaw
Q. 18 The first Khelo India University Games were organised in which of the following states?
Ans
X1. Assam
X 2. Punjab
X 3. Haryana
4. Odisha
Q. 19 In 1928, who wrote the Congress Party's Nehru Report, a future constitution for independent India based on the granting of dominion status?
Ans

1. Motilal Nehru

X 2. Swarup Rani Nehru
3. Kamala Nehru

X 4. Jawaharlal Nehru
Q. 20 Roots that grow out from the tree trunk and which helps to support the tree are called:

Ans
$\times 1$. creeping roots
X 2. fibrous roots
$X$ 3. tuberous roots
4. buttress root
Q. 21 The 61st Constitutional Amendment Act of 1988 reduced the voting age to 18 years from $\qquad$ years.
Ans
X 1.20
$\times 2.25$
$\times 3.30$
4. 21
Q. 22 Ozone layer in the atmosphere shields the surface of the Earth from which radiation from the Sun?
Ans

1. Ultraviolet (UV) light
2. X-rays
3. Infrared light
4. Gamma rays
Q. 23 The Cotton Corporation of India (CCI) was established in the year $\qquad$ .
Ans
X1. 1971
$\times 2.1969$
X 3.1972
5. 1970
Q. 24 Based on archaeological findings, which of the following dances is believed to be the oldest of the surviving Indian classical dances?
Ans
6. Odissi

X 2. Manipuri
X 3. Kathak
4. Kuchipudi
Q. 25 As per findings from a survey by the Reuters Institute for the Study of Journalism in its Digital News Report 2021, out of 46 markets surveyed, India stands at which rank?
Ans
X 1.29th
2. 31st

X 3. 30th
X 4.28th

