| Roll Number |  |
| :--- | :--- |
| Candidate |  |
| Name |  |
| Venue Name |  |
| Exam Date | $03 / 10 / 2023$ |
| Exam Time | $12: 30$ PM $-2: 30$ PM |
| Subject | SICPO Paper I 2023 |

## Section : General Intelligence and Reasoning

Q. 1 Which of the following numbers will replace the question mark (?) in the given series? 91, 111, 133, ?, 183, 211
Ans
$\times 1.149$
$\times 2.156$
$\times 3.167$

- 4.157
Q. 2 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 valleys are mountains.
No sea is a mountain.
Some plains are seas.
Conclusions:
I. Some valleys are plains.
II. No plain is a mountain.
III. No sea is a valley.

Ans
X 1 . Only conclusion II follows.
2. Only conclusion III follows.
$\chi 3$. Only conclusion I follows.
X 4. Both conclusions I and II follow.
Q. 3 Select the set in which the numbers are related in the same way as are the numbers of the 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
adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
$(25,3,150)$
$(13,7,182)$
Ans
$\times 1 .(5,8,184)$
X 2. $(6,13,234)$
2. $(10,5,100)$

X $4 .(3,4,45)$
Q. 4 Select the correct mirror image of the given figure, when the mirror is placed at line MN as shown.


Ans

Q. 5 In a certain code language, 'COUNTY' is written as 'ULCYGN' and 'FOREST' is written as 'RLFTHE'. How will 'MARGIN' be written in that language?
Ans
X1.RJMDSZ
X 2. ZMTPRH
X 3. ZMMRGI
4. RZMNRG

Question ID : 26433074765
Option 1 ID : 264330293149
Option 2 ID : 264330293150
Option 3 ID : 264330293151
Option 4 ID : 264330293148
Status Not Attempted and
Marked For Review
Chosen Option : --
Q. 6 Six students Meera, Jigyasa, Tarun, Naina, Shambhavi and Avni are sitting around a circular table facing the centre (not necessarily in the same order). Shambhavi is an immediate neighbour of both Jigyasa and Avni. Tarun is sitting third to the left of Jigyasa. Meera is sitting second to the right of Avni.
Who is sitting third to the right of Meera?
Ans
X 1. Avni
$\times 2$. Naina
X 3. Jigyasa
4. Shambhavi
Q. 7 Shilpa goes to a park every day for walking. One morning, she started walking from her home and walked 40 km towards the north. Then she turned to the right and walked 60 km . Again, she turned right and walked 40 km . Lastly, she took a left turn and walked 30 km . How far is she from her home?
Ans
X 1.140 km
2. 90 km

X 3.100 km
$\times 4.60 \mathrm{~km}$
Q. 8 Which two mathematical signs should be interchanged to make the given equation correct?
$(75+15) \times 27 \times 1-9 \div 7 \times(135+3)-10 \div(189+63)=434$
Ans

- $1 .+$ and $\div$

X2. + and -
$\times 3 . \times$ and +
$\times 4 . \div$ and -
Q. 9 Select the Venn diagram that best illustrates the relationship between the following classes.
Animals, Cats, Dogs
Ans
$\times 1$

$\times 2$

$\checkmark 3$.

$\times 4$


Q． 10 A paper is folded and cut as shown below．How will it appear when unfolded？


Ans


以䘡家边
Q. 11 Three different positions of the same dice are shown. Find the number on the face opposite the face showing ' 5 '.


Ans

- 1.2
$\times 2.3$
$\times 3.4$
$\times 4.1$
Q. 12 In a certain code language, 'DOING' is written as 'BQTOV' and 'ZEBRA' is written as 'FAAKB'. How will 'STORM' be written in that language?
Ans
X 1. PETBK
X 2. MKYTS
X 3. PRYSK

4. MLNKP
Q. 13 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known
facts, decide which of the conclusions logically follow(s) from the statements.
Statements:
Some shells are pebbles.
All pebbles are rocks.
Conclusions:
I. No shell is a rock.
II. Some shells are rocks.

Ans
$\times 1$. Only conclusion I follows
X 2. Neither conclusion I nor II follows
X 3. Both conclusions I and II follow
4. Only conclusion II follows
Q. 14 Select the option figure in which the given figure is embedded (rotation is NOT allowed).


Ans

$\times 2$

v

$\times 4$

Q. 15 Select the figure that will come next in the following figure series.


Ans


Question ID : 26433087072
Option 1 ID : 264330341931
Option 2 ID : 264330341930
Option 3 ID : 264330341929
Option 4 ID : 264330341932
Status: Answered
Chosen Option: $\mathbf{4}$
Q. 16 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Formal
2. Foreign
3. Forest
4. Forgotten
5. Forge
6. Forlorn

Ans

- 1. 2, 3, 5, 4, 6, 1
$\times 2,2,3,6,1,5,4$
X 3.2,3, 4, 5, 6, 1
$\times 4.2,3,5,6,4,1$
Q. 17 If A denotes ' + ', B denotes ' $x$ ', C denotes ' - ', and $D$ denotes ' $\div$ ', then what will be the value of the following equation?
13 B 7 A 64 D 4 C $23=$ ?
Ans
$\times 1.82$
- 2.84
$\times 3.86$
$\times 4.76$
Q. 18 Select the option that represents the letters which, when sequentially placed from left to right in the blanks below, will complete the letter series.
$\mathrm{A}_{-} \mathrm{DF} \mathrm{F}_{-} \mathrm{K}_{-} \mathrm{FA} \mathrm{A}_{-}$
Ans
X
X2. LALKDFDK

2. KLALDKDF

X4.FDLAKFDL
Q. 19 Select the correct mirror image of the given combination when the mirror is placed at 'MN' as shown below.


N
Ans

Q. 20 Town $Q$ is to the north of Town P. Town $R$ is to the west of Town $Q$. Town $S$ is to the north of Town R. Town $T$ is to the east of Town S. What is the position of Town T with respect to Town R? (All positions are arranged in GRID pattern).
Ans
X 1. East
$\times 2$. South
3. North-east
$\times 4$. South-east
Q. 21 In a certain code language, 'FRIGHT' is written as 'FOCQED' and 'SHREDS' is written as 'OEPPAB'. How will 'UPSETS' be written in that language?
Ans
X1. PMRSQB
X 2. PMROQB
3. PMRPQB

X4. PMSPQB
Q. 22 A paper is folded and cut as shown. How will it appear when unfolded?


Ans

$\times 2$


- 3

$\times 4$.

Q. 23 Select the set in which the numbers are related in the same way as are the numbers of the following sets
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
(11, 33, 17), (18, 44, 21)
Ans
X 1. $(7,32,9)$
$\times 2 .(12,40,18)$

3. $(16,43,22)$
$\times 4 .(15,34,19)$

Option 1 ID : $\mathbf{2 6 4 3 3 0 5 6 9 4 7 3}$
Option 2 ID : 264330569474
Option 3 ID : 264330569471
Option 4 ID : 264330569472
Status: Answered
Q. 24 Which of the following numbers will replace the question mark (?) in the given series?

90, 110, 132, ? , 182
Ans

- 1
$\times 2.169$
$\times 3.148$
$\times 4.146$
Q. 25 Select the set in which the numbers are related in the same way as are the numbers of the following sets
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed)
$(13,104,16),(9,63,14)$
Ans
X1. $(23,204,26)$
- 2. $(8,60,15)$
$\times 3 .(12,85,15)$
$\times 4 .(10,92,17)$
Q. 26 Which of the following numbers will replace the question mark (?) in the given series? $18,27,31,43,44,59,57$, ?
Ans
$\times 1.82$
$\times 2.74$
$\times 3.83$
- 4.75
Q. 27 Which letter-cluster will complete the given series?

BHERZ, DGHTX, FFKVV, $\qquad$
Ans
X 1. HENWT
X 2. GGNXU
X 3. HGMWU
4. HENXT

Question ID : 264330106616
Option 1 ID : 264330418766
Option 2 ID : 264330418768
Option 3 ID : $\mathbf{2 6 4 3 3 0 4 1 8 7 6 5}$
Option 4 ID : 264330418767
Status : Not Attempted and Marked For Review

Chosen Option : --
Q. 28 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 words and must not be related to each other based on the number of letters/number of
consonants/vowels in the word.)
Nun : Convent :: King : ?
Ans

1. Palace
$\times 2$. Cottage
X 3. Prison
$\times 4$. Monastery
Q. 29 Select the option that represents the correct order of the given words as they would appear in an English dictionary?
1.Authority
2.Automate
3.Authentic
4.Auspicious
5.Aureole

Ans
$\times 1.4,5,3,1,2$
$\times 2,5,3,4,1,2$

- $3,5,4,3,1,2$
$\times 4.3,4,5,1,2$
Q. 30 Seven friends, A, B, C, D, E, F and G, are sitting around a circular table facing the centre (not necessarily in the same order). D is an immediate neighbour of B and C. A is sitting third to the right of $C$. $E$ is an immediate neighbour of $A$ and $F$. G is sitting immediate left of $\mathbf{C}$. $\mathbf{B}$ is sitting third to the right of $\mathbf{G}$. What is the position of $\mathbf{G}$ with respect to $A$ when counted from the right side of $A$ ?
Ans

1. Third to the right
$\times 2$. Second to the right
$X 3$. Third to the left
$\times 4$. Second to the left
Q. 31 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.
Ans
X 1. KNJZ
X 2. FIEU
2. MJLO

X4. SVRH
Q. 32 Three of the following letter-clusters are alike in some manner and one is different. Select the one that is different.
Ans
X 1. MRVY
$X$ 2. GLPS
X 3. NSWZ
4. TGQJ

Question ID : 264330145344
Option 1 ID : 264330569631
Option 2 ID : 264330569632
Option 3 ID : 264330569634
Option 4 ID : 264330569633
Status : Not Attempted and
Marked For Review
Chosen Option: --
Q. 33 Which two numbers (not digits) should be interchanged to make the given equation correct?
$(18 \times 2)-24+10 \times 160 \div 16+(10 \times 4)=170$
Ans
$\times 1.2$ and 24
$\times 2.2$ and 4

- 3.24 and 18
$\times 4.16$ and 18
Q. 34 Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(NOTE : Operations should be performed on the whole numbers, without breaking
down the numbers into its constituent digits. E.g. 13- Operations on 13 such as
adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1
and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
$(15,21,66)$
$(9,17,44)$
Ans
X $1 .(2,4,12)$

2. $(5,37,52)$

X $3 .(7,9,86)$
$\times 4 .(11,13,35)$
Q. 35 Which two signs should be interchanged to make the given equation correct?
$13+145 \div 29 \times 52-11=106$
Ans
X 1. - and $\times$

- 2. $x$ and +
$\times 3 . \div$ and -
X 4. $\div$ and +

Option 2 ID : 264330507468
Option 3 ID : 264330507466
Option 4 ID : $\mathbf{2 6 4 3 3 0 5 0 7 4 6 7}$
Status: Answered
Q. 36 Which figure from the given options would replace the question mark (?) if the following figure series were to be continued?


Ans


Question ID : 264330145478
Option 1 ID : 264330570170
Option 2 ID : 264330570167
Option 3 ID : 264330570168
Option 4 ID : 264330570169
Q. 37 If $M$ denotes ' - ', $N$ denotes ' $\div$ ', $O$ denotes ' $x$ ', and $P$ denotes ' + ', then what will come in place of '?' in the following equation?
255 N 5 O 4 P 16 O 3 M 29 = ?
Ans

1. 223
$\times 2.216$
$\times 3.211$
$\times 4.230$
Q. 38 PRO 5' is related to 'OSQ 15' in a certain way. In the same way, 'OPO 10' is related to 'NQQ 30'. Which of the following is related to 'MAC 9' using the same logic?
Ans
2. NZA 3
$\times 2$ OZA 3
X 3. NZB 3
X4. NZA 27
Q. 39 ' $M \$ K^{\prime}$ ' means ' $M$ is the mother of $K$ '.
' M \# K' means ' M is the father of K '.
' $M$ @ $K$ ' means ' $M$ is the husband of $K$ '.
' $M \%$ K' means ' $M$ is the daughter of $K$ '.
If $A \$ C$ @ $R$, then how is $R$ related to $A$ ?
Ans
X 1. Husband's father
$X$ 2. Mother
3. Son's wife
$\times 4$. Daughter
Q. 40 If ' + ' means 'divided by', ' - ' means 'added to', ' $x$ ' means 'subtracted from' and ' $ب$ ' means 'multiplied by', then what will be the value of the following expression?
$[\{(25 \times 13)-(3 \div 3)\}+(3-4)] \div 5$
Ans
$\times 1.20$
$\times 2.10$

- 3.15
$\times 4.5$
Q. 41 Which of the following numbers will replace the question mark (?) and complete the
given number series?
$15,19,21,25,27$,?
Ans
- 

$\times 2.32$
$\times 3.29$
$\times 4.30$
Q. 42 Which letter-cluster will replace the question mark (?) to complete the given series?

MMNO, OKPM, ?, SGTI, UEVG
Ans
X1. POKI
X 2. QRIL
3. QIRK

X4. PQIJ
Q. 43 In a certain code language, 'OIL' is coded as 27 and 'CREAM' is coded as 125 . How will 'POWDER' be coded in the same language?
Ans $\qquad$
V 2.216
$\times 3.198$
$\times 4.169$
Q. 44 Given below are two statements and two conclusions. Take the statements to be true even if they are at variance with commonly known facts, and decide whether the conclusion(s) follow(s) the given statements.
Statements:
Some cakes are biscuits.
Some biscuits are chocolates.
Conclusions:
I. Some biscuits are cakes.
II. Some cakes are chocolates.

Ans $\times 1$. Both the conclusions follow
X 2. Only conclusion II follows
X 3. Neither conclusion I nor II follows
4. Only conclusion I follows
Q. 45 If I denotes ' $\div$ ', J denotes ' $x$ ', K denotes ' - ' and $L$ denotes ' + ', then what will come in place of '?' in the following equation?
( 35 I 5 ) J 9 K $23 \mathrm{~L} 39 \mathrm{~K}(3 \mathrm{~J} 8)=$ ?
Ans
$\times 1.60$
$\times 2.59$
$\times 3.51$

- 4.55
Q. 46 Which of the given figures when placed in the $5^{\text {th }}$ position would continue the series that is established by the first four figures?


Ans

Q. 47 A @ $B$ means ' $A$ is the husband of $B$ '
$A$ \& $B$ means ' $A$ is the mother of $B$ '
$A$ \# $B$ means ' $A$ is the daughter of $B$ '
If $\mathbf{Q}$ @ $M \& Y$ @ $J$ \# R \& Z, then how is $Y$ related to $Z$ ?
Ans
X 1. Brother's wife
$\times 2$. Father's sister
3. Sister's husband
$\times 4$. Father
Q. 48 A paper is folded and cut as shown below. How will it appear when unfolded?


Ans

Q. 49 Select the option figure which is embedded in the given figure as its part (rotation is NOT allowed).


Ans

$\times 3 . \square \square$
4. $\triangle$
Q. 50 In a certain code language, 'HIGHLY' is written as 'GRHYOH' and 'CLEVER' is written as 'EOCRVV'. How will 'HORROR' be written in that language?
Ans
X1. JRLPDB
2. RLHRLR

X 3. JPRDER
X4.RKJPED
Q. 1 In India, which of the following modes of transportation reduces trans-shipment losses and delays in supply of petroleum and gas?
Ans

1. Pipeline
$\times 2$. Roadways
X 3. Railways
$\times 4$. Waterways

Question ID : 264330132720
Option 1 ID : 264330519978
Option 2 ID : 264330519977
Option 3 ID : 264330519975
Option 4 ID : 264330519976
Status: Answered
Q. 2 From which country has the concept of Martial Law, which restricts Fundamental rights, borrowed?
Ans

- 1. The UK
$X$ 2. The USSR
$\times$ 3. China
X4. Japan
Q. 3 Copacabana beach is situated in $\qquad$ .
Ans $\times 1$. Peru
$X$ 2. Australia
X 3. Mexico

4. Brazil
Q. 4 Which of the following is the most widely used method for refining impure metals?

Ans $\quad \times 1$. Vapour-Phase Refining
$X$ 2. Poling Refining
3. Electrolytic Refining
4. Liquidation Refining
Q. 5 Which of the following is the correct statement?

Ans

1. Joule is the unit of work
$\times 2$. The unit of energy is the watt.
$X$ 3. Joule/ second is also a unit of energy.
$\times 4$. The unit of power is joule/newton.
Q. 6 Which of the following microfinance institutions was established in India at the time of independence?
Ans $\quad$ 1. Joint Liability Group
2. Rural Cooperatives
$\times$ 3. Self Help Group
X 4. Grameen Model Bank
Q. 7 'The Race of my Life' is the autobiography of which of the following sportsmen?

Ans $\times 1$ 1. PT Usha
X 2. Mary Kom
3. Milkha Singh

X 4. Saurav Ganguly
Q. 8 Which of the following has been INCORRECTLY listed as a condition for becoming a citizen of India?

Ans $\quad$ 1. Citizenship by birth
$X$ 2. Citizenship by naturalisation
3. Citizenship through acquisition of property
4. Citizenship by descent
Q. 9 Which British scientist is known for developing the principle of holography in 1947 to improve the resolution of the electron microscope?
Ans
$X 1$. Werner Heisenberg
$X 2$. Lloyd Cross
3. Dennis Gabor

X 4. Charles Towns

Question ID : 264330141668
Option 1 ID : 264330554994
Option 2 ID : 264330554993
Option 3 ID : $\mathbf{2 6 4 3 3 0 5 5 4 9 9 2}$
Option 4 ID : 264330554991
Status: Answered
Q. 10 The 'Tripartite struggle' was between Gurjara Pratiharas in North India, Palas in Eastern India and $\qquad$ in South India.
Ans
X 1. Marathas
2. Rashtrakutas

X 3. Cholas
$\times 4$. Cheras
Q. 11 Who is the author of the novel 'The Moor's Last Sigh'?

Ans $\quad \times 1$. VS Naipaul
X 2. John Keay
X 3. Kiran Doshi
4. Salman Rushdie
Q. 12 Which of the following dances is based on Rasleela themes of Radha and Krishna?

Ans

1. Manipuri dance
$\times$ 2. Sattriya dance
X 3. Mohiniyattam
X 4. Kathak
Q. 13 Who among the following was the last Mauryan ruler and was killed by his commander-in-chief?
Ans
$\chi 1$. Shatadhanvan
X 2. Bindusara
2. Brihadratha

X 4. Dashratha

Question ID : 264330165558
Option 1 ID : 264330649314
Option 2 ID : 264330649312
Option 3 ID : 264330649313
Option 4 ID : 264330649311
Status : Not Attempted and Marked For Review

Chosen Option : --
Q. 14 Which writ is issued when the court finds that there is unlawful arrest of a person?

Ans
$\times 1$. Prohibition
$\times$ 2. Mandamus
X 3. Quo warranto
4. Habeas corpus

Question ID : 264330116397
Option 1 ID : $\mathbf{2 6 4 3 3 0 4 5 7 6 7 5}$
Option 2 ID : 264330457674
Option 3 ID : 264330457676
Option 4 ID : $\mathbf{2 6 4 3 3 0 4 5 7 6 7 3}$
Status : Answered
Q. 15 Who among the following founded an expatriate Communist Party of India at Tashkent in 1920?
Ans
X 1. PC Joshi
X 2. Shripad Amrut Dange
X 3. Jolly Kaul
4. MN Roy
Q. 16 Which of the following statements is correct?

Ans

1. The transport of male gametes in Gymnosperms occurs through water
2. The transport of male gametes in bryophytes and pteridophytes occurs through
water.
$\times$ 3. The transport of male gametes in bryophytes and pteridophytes occurs through air.
$\times 4$. The transport of male gametes in angiosperms occurs through water.
Q. 17 Which Union Territory recorded the highest male literacy rate, according to the 2011 Census?
Ans
X 1. Daman and Diu
$\times 2$. Delhi
X 3. Andaman and Nicobar Islands
3. Lakshadweep
Q. 18 Pandit Ravi Shankar popularised which instrument in particular all over the world?

Ans

- 1. Sitar
$\times 2$. Tabla
X 3. Veena
$\times 4$. Harmonium
Q. 19 According to the Census of India 2011, which metropolitan city has the highest population?
Ans

1. Mumbai

X 2. Kolkata
$\times$ 3. Chennai
X4. Patna

Question ID : 264330166806
Option 1 ID : 264330654259
Option 2 ID : 264330654261
Option 3 ID : $\mathbf{2 6 4 3 3 0 6 5 4 2 6 0}$
Option 4 ID : $\mathbf{2 6 4 3 3 0 6 5 4 2 6 2}$
Status: Answered
Q. 20 Ker and Garia Puja are traditional tribal festivals of which state?

Ans $\quad \times 1$. Jharkhand
X 2. Manipur
X 3. Odisha
4. Tripura
Q. 21 Which company has been given the responsibility of construction, operation and maintenance of the Hazira-Vijaipur-Jagdishpur (HVJ) pipeline project?
Ans
Х 1. TATA Petrodyne Limited (TPL)
$\times$ 2. Oil and Natural Gas Corporation (ONGC)
3. Gas Authority of India (GAIL)

X 4. Reliance Industries Limited (RIL)
Q. 22 Mawsynram, the place that receives the highest rainfall in the world, is situated in which hills?
Ans
X 1. Patkai Hills
$\times 2$. Mishmi Hills
X 3. Rajmahal Hills
4. Khasi Hills

Question ID : 264330119785
Option 1 ID : 264330469418
Option 2 ID : 264330469415
Option 3 ID : 264330469416
Option 4 ID : 264330469417
Status: Answered
Q. 23 Which of the following organisations was founded in Poona, Satara and other towns of

Maharashtra that worked against Brahmanical orthodoxy and tried to reform Hinduism?
Ans
X 1. Brahmo Samaj
2. Paramahansa Mandali

X 3. Ramakrishna Mission
$\times$ 4.Arya Samaj
Q. 24 In 1784, who discovered the composition of water through his experiment with hydrogen and oxygen?
Ans

1. Henry Cavendish

X 2. Herbert C Brown
X 3. Joseph Priestley
4. John Dalton
Q. 25 Under which strata do trees fall?

Ans $\times 1$. Second vertical
2. Top vertical

X 3. Middle vertical
X 4. Bottom vertical
Q. 26 The fundamental duties were added in the Indian Constitution on the recommendation of the:
Ans

1. Balwant Rai Mehta Committee

X 2. Bibek Debroy Committee
X 3. LM Singhvi Committee
4. Sardar Swaran Singh Committee
Q. 27 Which of the following is the correct formula for moment of inertia?

Ans

- $1.1=m r^{2}$

X2. $1=\mathrm{rm}^{2}$
X $3.1=\mathrm{m} / \mathrm{r}^{2}$
X $4.1=2 \mathrm{mr}$
Q. 28 Which of the following Articles of the Indian Constitution deals with the relationship between the Prime Minister and the President?

Ans
X 1. Article 45
$\times 2$. Article 25
X 3. Article 35
4. Article 75
Q. 29 India's rank in Tokyo Olympic 2020 is:

Ans
$\times 1.49$

- 2.48
$\times 3.47$
$\times 4.46$
Q. 30 In which of the following years was the Muslim League formed?

Ans $\times 1.1915$
$\times 2.1909$
2. 1906
$\times 4.1912$
Q. 31 The Chambal, Hindon and Tons rivers are tributaries of the river:

Ans

1. Yamuna

X 2. Mahanadi
X 3. Kaveri
Х4. Tapi
Q. 32 Prabhat Sarma, a recipient of Sangeet Natak Akademi Award, was a $\qquad$ player from Assam
Ans $\quad \times 1$. Ghatam
2. Flute
$\times$ 3. Tabla
$\times 4$. sarangi

Question ID : 264330145158
Option 1 ID : 264330568890
Option 2 ID : 264330568887
Option 3 ID : 264330568889
Option 4 ID : 264330568888
Status : Not Attempted and Marked For Review

Chosen Option : --
Q. 33 Mehrangarh fort is located in which of the following cities?

Ans
X 1. Jaipur
$\times 2$. Kota
3. Jodhpur

X 4. Bikaner

Question ID : 264330164850
Option 1 ID : 264330646528
Option 2 ID : 264330646529
Option 3 ID : 264330646530
Option 4 ID : 264330646527
Status: Not Attempted and Marked For Review

Chosen Option : --
Q. 34 During a game of hockey, following an offence, if a player is shown a yellow card then he will be sent off the pitch for $\qquad$ -.
Ans
1.5 minutes
$\times 2.6$ minutes
$\times 3.4$ minutes
4.3 minutes
Q. 35 Trade liberalisation has helped India improve its $\qquad$ in industries with medium-to-high technology content.
Ans
X 1. imports
$\times 2$. fuel efficiency
X 3. labour intensity
4. comparative advantage

Question ID : 26433064580
Option 1 ID : 264330252912
Option 2 ID : 264330252915
Option 3 ID : 264330252913
Option 4 ID : 264330252914
Status: Answered
Q. 36 Which of the following five-year plan addressed the issue of removal of poverty as a chief objective for the first time?
Ans
X 1. Fourth Five-year Plan
$\times 2$. Third Five-year Plan
X 3. Sixth Five-year Plan
4. Fifth Five-year Plan
Q. 37 Which of the following was the first B vitamin discovered in 1897 that is essential in amino acid and carbohydrate metabolism and is active in energy production reactions?
Ans
$\times 1$. Biotin
X 2. Riboflavin
3. Thiamine
4. Folate
Q. 38 Identify the cultural festival on the basis of given clues:
i) This festival brings together craftsmen like potters, embroiderers, weavers, wood carvers, metal workers, stone smiths and painters from all over India on one platform in Haryana.
ii) This crafts mela is held in February every year and provides a glimpse of the state's cultural heritage and recent achievements.
Ans
X 1. Kapil Muni Fair
$\times$ 2. Shamlaji Fair
X 3. Chitra Vichitra Fair
4. Surajkund Mela
Q. 39 The duration of the $12^{\text {th }}$ five year plan was from $\qquad$ to $\qquad$ .
Ans

- 1.2012-2017
$\times 2.1987-1992$
X 3.2007-2012
X4.1990-1995
Q. 40 Manisha Kalyan is associated with which of the following sports events?

Ans

1. Football

X 2. Hockey
X 3. Cricket
$\times 4$. Chess

Question ID : 264330109689
Option 1 ID : 264330431033
Option 2 ID : 264330431034
Option 3 ID : 264330431035
Option 4 ID : 264330431036
Status : Not Attempted and Marked For Review
Q. 41 A Governor shall, notwithstanding the expiration of his term, continue to hold office until $\qquad$ .
Ans
$X$ 1. the President's consent
$\times$ 2. the Legislative Secretary takes charge
3. his/her successor enters his/her office

X 4. he/she has aid and advice of the Chief Minister
Q. 42 A government budget shows a primary deficit of ₹ 6,900 crore. The revenue expenditure on interest payment is ₹ 400 crore. Fiscal deficit is equal to:
Ans
X 1. ₹6,500 crore
2. ₹7,300 crore

X 3. ₹7,100 crore
Х4. ₹6,900 crore

Question ID : 264330145254
Option 1 ID : 264330569272
Option 2 ID : 264330569271
Option 3 ID : 264330569274
Option 4 ID : 264330569273
Status: Answered
Q. 43 The office of Diwan-i-Insha dealt with which affair in administration?

Ans 1. State correspondence
$\times 2$. Military
$\times 3$. Finance
X 4. Religious affairs
Q. 44 The earth's perihelion occurs in:

Ans $\times 1$. July
X 2. October
3. January
4. September
Q. 45 Guru Bipin Singh, who received the honour of Sangeet Natak Akademi Award in 1966 and the Kalidas Samman by Madhya Pradesh Government, was an exponent of which of the following Indian classical dance forms?
Ans
X1. Odissi
2. Manipuri

X 3. Kuchipudi
X 4. Kathak
Q. 46 Who among the following was the youngest recipient of the Padma Vibhushan award in dance in 1984?
Ans

1. Birju Maharaj

X 2. Rajendra Gangani
X 3. Abhimanyu Lal
$X 4$. Ehshan Hilal
Q. 47 When was the Indian Meteorological Department,Which collects data on temperature, rainfall, wind, etc., and makes weather forecasts, established by the Government of India?
Ans
X1. 1879
$\times 2.1876$

- 3.1875

4. 1873
Q. 48 What is the percentage of proteins in the cell membrane?

Ans
X $1.60-80 \%$
$\times 2.80-100 \%$
X 3. $20-40 \%$
4. $40-60 \%$
Q. 49 Syed Modi India International is organised in which sporting event?

Ans
$\times 1$. Kabaddi
X 2. Volleyball
$\times 3$. Chess
4. Badminton
Q. 50 Which dance form of Goa is also known as the 'Warrior Dance'?

Ans
X 1. Bihu
X 2. Lavani
3. Ghode Modni
$\times 4$. Rauf

## Section : Quantitative Aptitude

Q. 1 Sukhvir purchased some perishable items for sale but $30 \%$ of those items could not be sold and went bad. However, Sukhvir managed to sell the rest of the items at a price that helped him earn an overall profit of 19\%. At what percentage above the cost price of each item purchased by Sukhvir did he sell each of the items that did not go bad?

Ans
$\times 1.49 \%$
2. $70 \%$
$\times 3.63 \%$
$\times 4.75 \%$
Q. 2 An item with a marked price of $₹ 1,940$ was sold at a discount of $15 \%$. At what price (in ₹) was the item sold?

Ans
X1. 1659
$\times 2.1639$

- 3.1649
$\times 4.1654$
Q. 3 A hostel mess requires 217 eggs for a week. How many eggs will it require in total for the months of July, August and September?

Ans
$\times 1.2821$
X 2. 2883
3. 2852
$\times 4.2790$
Q. 4 Find the greatest number which when divides 261, 853 and 1221, leaves a remainder of 5 in each case

Ans
$\times 1.19$
$\times 2.18$
$\times 3.17$

* 4.16
Q. 5 Study the given pie-chart and answer the question that follows.

The pie-chart shows total expenditure of $₹ 3,00,00,000$ on different items for
constructing a flat in a town.


The percentage of the total expenditure on Labour and Timber is:
Ans

1. $30 \frac{5}{9} \%$
$\times 2.30 \frac{1}{3} \%$
×3. $30 \frac{1}{9} \%$
×4. $30 \frac{7}{9} \%$
Q. 6 What is the number of valid votes cast in favour of a candidate in an election, if the candidate received $75 \%$ of the total valid votes, and $5 \%$ of the total votes were declared invalid, given that the total number of voters was $1,46,000$ ?
Ans
$\times 1.1,06,650$
X 2. 1,10,250
2. 1,04,025
$\times 4.1,08,850$
Q. 7 A conical shape vessel has a radius of 21 cm and has a slant height of 25 cm . If the curved part of the vessel is to be painted white, find the cost (in ₹) of painting at the rate of ₹ 1.5 per $\mathrm{cm}^{2}$.
Ans
3. 2475
$\times 2.1650$
$\times 3.825$
$\times 4.1250$

Question ID : 264330145104
Option 1 ID : $\mathbf{2 6 4 3 3 0 5 6 8 6 7 4}$
Option 2 ID : 264330568671
Option 3 ID : $\mathbf{2 6 4 3 3 0 5 6 8 6 7 2}$
Option 4 ID : $\mathbf{2 6 4 3 3 0 5 6 8 6 7 3}$
Status: Not Attempted and
Marked For Review
Chosen Option : --
Q. $8 P$ and $Q$ can do a work together in 30 days. $Q$ and $R$ can do the same work together in 24 days and $R$ and $P$ together in 20 days. They started the work together, but $Q$ and $R$ left after 10 days. How many more days will $P$ take to finish the remaining work?

Ans
$\times 1.23$
$\times 2.21$

- 3.18
$\times 4.19$
Q. 9 Find the greatest possible length (in metres) that can be used to exactly measure the lengths $6 \mathrm{~m}, 5 \mathrm{~m} 25 \mathrm{~cm}$ and 12 m 50 cm
Ans

1. 0.25 m
$\times 2.0 .75 \mathrm{~m}$
$\times 3.0 .90 \mathrm{~m}$
$\times 4.0 .35 \mathrm{~m}$
Q. 10 In a village election, Sharuk got $80 \%$ of the total valid votes. $10 \%$ of the votes were invalid. If the total number of votes was 4500, then find the number of valid votes the other candidate got.

Ans
$\times 1.620$
$\times 2.450$
$\times 3.530$

- 4.810
Q. 11 What will be the difference between the total surface area and the curved surface area of a hemisphere having 4 cm diameter?
Ans
$\times 1.5 \pi \mathrm{~cm}^{2}$
$\times 2.8 \pi \mathrm{~cm}^{2}$
- $3.4 \pi \mathrm{~cm}^{2}$
$\times 4.4 .4 \pi \mathrm{~cm}^{2}$
Q. 12 A can do a piece of work in 8 days, while $B$ can do it in 7 days. If they work at it alternately beginning with $A$, then in how many days will the work be completed?
Ans
$\times 1.8$
$\times 2.8 \frac{1}{2}$
จ. $7 \frac{1}{2}$
$\times 4.7$
Q. 13 The cost of painting the total surface area of a 30 m high solid right circular cylinder at the rate of $₹ 25 \operatorname{per~m}^{2}$ is $₹ 18,425$. What is the volume (in $\mathrm{m}^{3}$ ) of this cylinder [use $\pi=\frac{22}{7}$ ]?

Ans
$\times 1.1145$
$\times 2.1210$

- 3.1155
$\times 4.1122$
Q. 14 What is the length (in cm ) of the transverse common tangent between two circles with radii 6 cm and 4 cm , given that the distance between their centres is 14 cm ?

Ans
x1. $2 \sqrt{6}$
2. $4 \sqrt{6}$

X3. $5 \sqrt{6}$
X4. $3 \sqrt{6}$
Q. 15 The value of $\left(1+\sin ^{4} A-\cos ^{4} A\right) \operatorname{cosec}^{2} A$ is:

Ans
$\times 1 .-2$

- 2.2
$\times 3.1$
$\times 4 .-1$

Question ID : 264330157758
Option 1 ID : 264330618394
Option 2 ID : 264330618393
Option 3 ID : 264330618391
Option 4 ID : 264330618392
Status : Not Attempted and
Marked For Review
Chosen Option : --
Q. 16 The table given below shows the number of products sold by 4 shopkeepers $\mathrm{A}, \mathrm{B}, \mathrm{C}$ and D on four different days.

| Days | A | B | C | D |
| :--- | :--- | :--- | :--- | :--- |
| Monday | 1000 | 800 | - | 750 |
| Tuesday | 500 | - | 900 | 650 |
| Wednesday | 800 | 1000 | 700 | - |
| Thursday | - | 1200 | 800 | 900 |

If the total products sold by A and B, including all four days, is 3000 and 3500 , respectively, the products sold by B on Tuesday is how many more or less than the products sold by A on Thursday?

Ans
$\times 1.300$ more
2. 200 less
$\times 3.200$ more
. 264330167246
Option 1 ID : $\mathbf{2 6 4 3 3 0 6 5 5 9 8 2}$
Option 2 ID : 264330655979
Option 3 ID : 264330655980
Option 4 ID : 264330655981
Status: Not Attempted and Chosen Option : --
Q. 17 If an amount of ₹ 80 becomes ₹ 96 in 2 years in a bank account which gives simple annual interest, then an amount of ₹ 62,000 will become $\qquad$ in the same account after 5 years.
Ans
X 1. ₹88,200
X 2. ₹84,600
X 3. ₹ 82,400
4. ₹93,000

Question ID : 264330117926
Option 1 ID : $\mathbf{2 6 4 3 3 0 4 6 3 5 2 2}$
Option 2 ID : 264330463520
Option 3 ID : 264330463519
Option 4 ID : 264330463521
Status: Not Attempted and
Status : Marked For Review
Chosen Option : --
Q. 18 If $\mathrm{a} \propto \mathrm{b}, \mathrm{b} \propto \frac{1}{\mathrm{c}}$ and $\mathrm{c} \propto \mathrm{d}$, then the relation between a and d is:

Ans

1. $a \propto \frac{1}{d}$

X2. $\mathrm{a} \propto \mathrm{d}$
X3. $a \propto d^{2}$
4. $a \propto \sqrt{d}$
Q. 19 Study the given table and answer the question that follows.

The table shows the production of five types of cars $P, Q, R, S$ and $T$ by a company from the year 1989 to 1994.

| Type of <br> Car | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| P | 8 | 20 | 16 | 17 | 21 | 6 | 88 |
| Q | 16 | 10 | 14 | 12 | 12 | 14 | 78 |
| R | 21 | 17 | 16 | 15 | 13 | 8 | 90 |
| S | 4 | 6 | 10 | 16 | 20 | 31 | 87 |
| T | 25 | 18 | 19 | 30 | 14 | 27 | 133 |
| Total | 74 | 71 | 75 | 90 | 80 | 86 | 476 |

During the period 1989-94, which type of car featured a continuous increase in production?

Ans

1. S

X2. Q
X $3 . \mathrm{R}$
$\times 4 . \mathrm{P}$
Q. 20 Evaluate $6.9-[8.6-\{6.5-(5.4-\overline{4.3-2})\}]$.

Ans
$\times 1.1 .8$
$\times 2.1 .9$
$\times 3.1 .6$

- 4.1 .7
Q. 21 A thief is noticed by a policeman from a distance of 300 m . The thief starts running and the policeman starts chasing him. The thief and policeman run at the rate of $11 \mathrm{~km} / \mathrm{h}$ and $13 \mathrm{~km} / \mathrm{h}$, respectively. After running for how many kilometres will the policeman be able to catch the thief?
Ans
$\times 1.1 .65$
$\times 2.1 .85$
$\times 3.1 .75$
- 4.1 .95
Q. 22 A sum of $₹ 1,00,000$ was taken from a bank at the rate of $7 \%$ p.a to be compounded annually for 5 years. Calculate the compound interest. (Closest to a ₹)
Ans
X 1 . ₹ 40,000
X 2. ₹ 20,963
X 3. ₹ 40,567

4. ₹ 40,255
Q. 23 The curved surface area of a cone whose base radius is 7 cm and slant height is 10 cm is:
Ans
$\times 1.280 \mathrm{~cm}^{2}$
$\times 2.250 \mathrm{~cm}^{2}$
$\times 3.300 \mathrm{~cm}^{2}$

- $4.220 \mathrm{~cm}^{2}$
Q. 24 A sector of a circle has a central angle of $45^{\circ}$ and an arc length of 22 cm .

Find the radius of the circle. ( Use $\pi=\frac{22}{7}$.)
Ans
$\times 1.32 \mathrm{~cm}$
$\times 2.35 \mathrm{~cm}$

- 3.28 cm
$\times 4.36 \mathrm{~cm}$

Question ID : 264330163481
Option 1 ID : 264330641185
Option 2 ID : 264330641183
Option 3 ID: 264330641184
Option 4 ID : $\mathbf{2 6 4 3 3 0 6 4 1 1 8 6}$
Q. 25 The least common multiple of 210, 336 and 504 is :

Ans

- 1.5040
$\times 2.3360$
$\times 3.2100$
$\times 4.4560$

Question ID : 26433066160
Option 1 ID : 264330259173
Option 2 ID : 264330259172
Option 3 ID : 264330259174
Option 4 ID : $\mathbf{2 6 4 3 3 0 2 5 9 1 7 5}$
Status : Not Attempted and
Marked For Review
Chosen Option: --
Q. 26 The LCM of $\frac{1}{3}, \frac{3}{5}, \frac{4}{7}$ and $\frac{9}{16}$ is:

Ans

- 1.36
$\times 2.49$
$\times 3.38$
$\times 4.81$

Question ID : 264330145041
Option 1 ID : 264330568419
Option 2 ID : 264330568421
Option 3 ID : 264330568420
Option 4 ID : 264330568422
Status : Not Attempted and
Status : Marked For Review
Q. 27 Study the given table and answer the question that follows.

The table shows the number of students doing various courses in various cities.

| City | MBA | MCA | M.Sc. | M.Com. | M.A. | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Ahmedabad | 1234 | 1384 | 1440 | 1289 | 1332 | 6679 |
| Bengaluru | 1156 | 1783 | 1874 | 1003 | 1340 | 7156 |
| Bhopal | 1187 | 1347 | 1532 | 1321 | 1486 | 6873 |
| Chennai | 1342 | 1473 | 1129 | 1765 | 1666 | 7375 |
| New Delhi | 1230 | 1098 | 1128 | 1865 | 1777 | 7098 |
| Hyderabad | 1456 | 1234 | 1556 | 1653 | 1789 | 7688 |
| Kolkata | 1239 | 1785 | 1865 | 1504 | 1762 | 8155 |

In Chennai, the number of students in MBA is nearly what percentage of students in M.A? (rounded off to 2 digits after decimal)

Ans
$\times 1$

1. $76.25 \%$
2. $80.55 \%$

X 3. 92.12\%
4. 99.23\%

Question ID: 264330145102
Option 1 ID : 264330568663
Option 2 ID : $\mathbf{2 6 4 3 3 0 5 6 8 6 6 4}$
Option 3 ID : 264330568665
Option 4 ID : 264330568666
Status : Not Attempted and
Marked For Review
Chosen Option : --
Q. 28 If $\cos \mathrm{A}=\frac{15}{17}, 0 \leq \mathrm{A} \leq 90^{\circ}$, then the value of $\cot \left(90^{\circ}-\mathrm{A}\right)$ is:

Ans
-1. $\frac{8}{15}$
x 2. $\frac{2 \sqrt{2}}{15}$
×3. $\frac{\sqrt{2}}{15}$
×4. $\frac{7}{15}$
Q. 29 Study the given table and answer the question that follows.

The table shows the number of cakes sold by four different bakeries in 4 different months.

|  | Month | August | September | October |
| :--- | :--- | :--- | :--- | :--- | November

What is the difference between the total number of cakes sold by bakeries Q and S together in September and the total number of cakes sold by bakeries P and R together in November?

Ans
$\times 2.9$
$\times 3.10$
$\times 4.8$

Question ID : 264330158259
Option 1 ID : $\mathbf{2 6 4 3 3 0 6 2 0 3 9 8}$
Option 2 ID : 264330620396
Option 3 ID : $\mathbf{2 6 4 3 3 0 6 2 0 3 9 5}$
Option 4 ID : 264330620397
Status: $\begin{aligned} & \text { Not Attempted and } \\ & \text { Marked For Review }\end{aligned}$
Chosen Option : --
Q. 30 The volume of a right circular cone having a base diameter of 14 cm is $196 \pi \mathrm{~cm}^{3}$. Find the perpendicular height of this cone
Ans
X 1.10 cm

- 2.12 cm
$\times 3.14 \mathrm{~cm}$
$\times 4.8 \mathrm{~cm}$
Q. 31 Find the LCM of $\frac{3}{2}, \frac{81}{16}$ and $\frac{9}{8}$.

Ans
$\times 1 \frac{91}{2}$
2. $\frac{81}{2}$
$\times 3 . \frac{111}{2}$
$\times 4 . \frac{101}{2}$
Q.32 If $\frac{A}{L}+\frac{M}{B}=1$ and $\frac{B}{M}+\frac{N}{C}=1$, then the value of $\frac{L}{A}+\frac{C}{N}$ is:

Ans
$\times 1 . \frac{\mathrm{B}}{\mathrm{M}}$
$\times 2.0$

- 3. 1
$\times 4 \cdot \frac{\mathrm{M}}{\mathrm{B}}$
Q. 33 The perimeter of a sector of a circle is 24 cm and the radius is 3 cm . Calculate the area (in $\mathrm{cm}^{2}$ ) of the sector.
Ans
$\times 1.24$
$\times 2.33$
- 3.27
$\times 4.30$
Q. 34 Study the given table and answer the question that follows.

The table shows the production of five types of cars $P, Q, R, S$ and $T$ by a company from the year 1989 to 1994.

| Type of <br> Car | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| P | 8 | 20 | 16 | 17 | 21 | 6 | 88 |
| Q | 16 | 10 | 14 | 12 | 12 | 14 | 78 |
| R | 21 | 17 | 16 | 15 | 13 | 8 | 90 |
| S | 4 | 6 | 10 | 16 | 20 | 31 | 87 |
| T | 25 | 18 | 19 | 30 | 14 | 27 | 133 |
| Total | 74 | 71 | 75 | 90 | 80 | 86 | 476 |

During the period 1989-94, which type of car featured a continuous decrease in production?
Ans
$\times 1$ s
$\times 2 . \mathrm{Q}$

- R
$\times 4$. T

Question ID : 264330165466
Option 1 ID : $\mathbf{2 6 4 3 3 0 6 4 8 9 4 5}$
Option 2 ID : 264330648943
Option 3 ID : $\mathbf{2 6 4 3 3 0 6 4 8 9 4 4}$
Option 4 ID : 264330648946
Status:
Not Attempted and
Marked For Review
Chosen Option : --
Q. 35 Find the value of $\frac{\cos 65^{\circ}}{\sin 25^{\circ}}+\frac{5 \sin 19^{\circ}}{\cos 71^{\circ}}-\frac{3 \cos 28^{\circ}}{\sin 62^{\circ}}$.

Ans $\times 1.2$
$\times 2.0$
$\times 3.1$

- 4.3
Q. 36 Swastik saves $20 \%$ of his income while spends the remaining amount on food, rent, education and shopping. $15 \%$ of the income is spent on food, while ₹ 12,800 is spent on rent, ₹ 32,000 on education and $₹ 7,200$ on shopping. The amount spent on shopping is $11.25 \%$ of the total expenditure. How much money (in ₹) is spent on food?
Ans
-1.9600

2. 10800
3. 12000
4. 15000
Q. 37 Simplify the given expression.

$$
\frac{a^{2}-b^{2}-2 b c-c^{2}}{a^{2}+b^{2}+2 a b-c^{2}}
$$

Ans

$$
\begin{aligned}
& \text { x1. } \frac{a+b+c}{a-b-c} \\
& \text { 2. } \frac{a-b-c}{a+b-c} \\
& \text { X 3 } \frac{a+b-c}{a-b-c} \\
& \text { 4. } \frac{a-b+c}{a+b-c}
\end{aligned}
$$

Q. 38 If the marked price is $75 \%$ more than the cost price and a discount of $40 \%$ is allowed on the marked price, then the percentage profit is:
Ans
$\times 1.6 \%$
$\times 2.7 \%$
$\times 3.8 \%$
4. $5 \%$

Question ID : 264330104505
Option 1 ID : $\mathbf{2 6 4 3 3 0 4 1 0 3 2 4}$
Option 2 ID : 264330410321
Option 3 ID : 264330410322
Option 4 ID : 264330410323
Status : Not Attempted and
: Marked For Review
Chosen Option : --
Q. 39 In what ratio must a shopkeeper mix two types of rice worth ₹ 55 per kg and ₹ 70 per kg , so that the average cost of the mixture is ₹ 65 per kg ?
Ans

1. $1: 2$
2. $2: 3$
$\times 3.3: 2$
$\times 4.1: 3$
Q. 40 What is the value of the given expression?
$\frac{1}{12}+\frac{1}{16}+\frac{1}{8}$
Ans
3. $\frac{13}{48}$
$\times 2 . \frac{10}{72}$
X 3. $\frac{3}{48}$
X4. $\frac{13}{18}$
Q. 41 For a triangle $A B C, D$ and $E$ are two points on $A B$ and $A C$ such that $A D=\frac{1}{6} A B$, $\mathrm{AE}=\frac{1}{6} \mathrm{AC}$. If $\mathrm{BC}=22 \mathrm{~cm}$, then DE is $\qquad$ . (Consider up to two decimals)

Ans
$\times 1.1 .33 \mathrm{~cm}$
$\times 2.1 .67 \mathrm{~cm}$
, 3.3 .67 cm
$\times 4.3 .33 \mathrm{~cm}$
Q. 42 Reema runs $\frac{5}{4}$ times as fast as Rekha. In view of this Reema allows Rekha a lead of 50 metres to Rekha in a friendly race competition. What is the distance from the starting point where both Reema and Rekha meet?

Ans

- 1.250 m
$\times 2.225 \mathrm{~m}$
X 3.200 m
$\times 4.240 \mathrm{~m}$
Q. 43 The given table shows marks obtained by four students in four subjects.

| Subjects <br> Student | Maths <br> $(100)$ | English <br> $(100)$ | Science <br> $(100)$ | Hindi <br> $(100)$ |
| :---: | :---: | :---: | :---: | :---: |
| A | 75 | 80 | 75 | 85 |
| B | 80 | 70 | 70 | 80 |
| C | 70 | 85 | 85 | 75 |
| D | 85 | 75 | 80 | 70 |

The average percentage of marks obtained by all students in Hindi is:
Ans
$\times 1.77 .0 \%$
$\times 2.77 .6 \%$
$\times 3.77 .8 \%$

- $4.77 .5 \%$
Q. 44 If $\cot \theta=\frac{4}{3}, 0<\theta<\frac{\pi}{2}$, and $5 p \cos ^{2} \theta \sin \theta=\cot ^{2} \theta$, then the value of $p$ is:

Ans
$\times 1 \frac{7}{27}$
$\times 2 . \frac{125}{27}$
$\times 3 . \frac{5}{27}$

- $4 . \frac{25}{27}$
Q. 45 Train ' $A$ ' requires 15 seconds to cross train ' $B$ ' of length 300 m moving in the opposite direction at a speed of $36 \mathrm{~km} / \mathrm{h}$. Further, train ' $A$ ' requires 30 seconds to cross a 500 m long stationary train ' $C$ '. Find the length (in $m$ ) of train ' $A$ '.
Ans
- 1.200
$\times 2.300$
$\times 3.250$
$\times 4.275$
Q. 46 If the difference between the selling prices of an article at profits of $10 \%$ and $7 \%$ is ₹6, then the cost price (in ₹) of the article is:
Ans
$\times 1.175$
$\times 2.150$
- 3.200
$\times 4.100$
Q. 47 Study the given pie-chart and answer the question that follows.

The pie-chart shows the National Budget Expenditure in the year 2019.


If ₹ 850 billion were spent in year 2019 for interest on debt and military, then what would have been the total expenditure for that year (in ₹ billion)?

Ans
X 1. 1,700
X 2. 1,300
3. 1,250
<4.1,450

Question ID : 264330158281
Option 1 ID : 264330620483
Option 2 ID : 264330620485
Option 3 ID : 264330620486
Option 4 ID : 264330620484
Status: $\begin{aligned} & \text { Not Attempted and } \\ & \text { Marked For Review }\end{aligned}$
Q. 48 John can do a piece of work alone in 20 days, while Ravi can do the same piece of work alone in 28 days. In how many days can the duo complete the same work if they work together?
Ans
$\times 1.11 \frac{1}{3}$
$\times 2.12 \frac{2}{3}$
จ3. $11 \frac{2}{3}$
$\times 4.12 \frac{1}{3}$
Q. 49 At a courier shop, the weights of 8 parcels were found to be $1.5 \mathrm{~kg}, 1.25 \mathrm{~kg}, 1.35 \mathrm{~kg}$, $750 \mathrm{gm}, 950 \mathrm{gm}, 0.7 \mathrm{~kg}, 0.4 \mathrm{~kg}$, and 0.5 kg . Find their average weight.
Ans
$\times 1.875 \mathrm{gm}$
X2.900gm

- 3.925 gm
$\times 4.700 \mathrm{gm}$
Q. 50 Study the given pie-chart and answer the question that follows.

The pie-chart shows the percentage of 3600 students enrolled in different hobby classes in a school.


The number of students enrolled in Painting classes is approximately what percentage of those enrolled in Singing classes?

Ans
X1.108\%
2. $83 \%$

X $3.98 \%$
X4.78\%

## Section : English Comprehension

Q. 1 Select the option that can be used as a one-word substitute for the given group of words

Study of science of insects
Ans

1. Entomology

X 2. Anthropology
X 3. Microbiology
X 4. Ecology
Q. 2 Select the most appropriate ANTONYM of the given word.

Apathy
Ans
X 1. Interruption
$\times 2$. Ignorance
2. Interest
$\times 4$. Sincerity
Q. 3 Select the option that can be used as a one-word substitute for the given group of words

One who settles in another country
Ans
$X 1$. Resident
2. Immigrant

X 3. Traveller
$\times 4$. Refugee
Q. 4 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. The Taj Mahal is one of the much popular seven wonders of the world.
Ans
X1. No substitution required
$\times 2$ 2. more
X 3. much more
4. most
Q. 5 Select the INCORRECTLY spelt word from the given sentence.

Gandhiji considared untouchability to be one of India's major social ills.
Ans
$\times 1$. social
X 2. major
3. considared
$\times 4$. untouchability
Q. 6 Select the most appropriate meaning of the given idiom.

Crack someone up
Ans
$\times 1$. To criticise someone
$\times$ 2. To force someone to commit a mistake
$\chi$ 3. To make someone angry
4. To make someone laugh
Q. 7 Select the most appropriate synonym of the given word. Captivate
Ans
X 1. Study
2. Allure

X 3. Envelope
X 4. Arrest

Question ID : 264330102432
Option 1 ID : 264330402176
Option 2 ID : 264330402174
Option 3 ID : 264330402175
Option 4 ID : 264330402173
Status: Not Attempted and
Marked For Review
Chosen Option : --
Q. 8 Select the option that can be used as a one-word substitute for the given group of words.

The capacity for being useful for some purpose.
Ans
X 1. Gain
2. Utility
$\times$ 3. Desirability
$\times 4$. Aid
Q. 9 Select the most appropriate ANTONYM of the given word.

Rejoinder
Ans
$\times 1$. Expedite
$\times 2$ Reply
X 3. Ordinary
4. Request

Question ID : 264330163379
Option 1 ID : $\mathbf{2 6 4 3 3 0 6 4 0 8 0 6}$
Option 2 ID : $\mathbf{2 6 4 3 3 0 6 4 0 8 0 3}$
Option 3 ID : $\mathbf{2 6 4 3 3 0 6 4 0 8 0 4}$
Option 4 ID : 264330640805
Status: Not Attempted and Marked For Review
Q. 10 Select the sentence that has a spelling error.

A- The art of living is learnt easily by those who are positive and optimistic.
B- We can learn a lot about the art of living by having a peep into the lives of great
men.
C- The daily routines of these great men dissiminate that they are different.
D- Their unique lifestyles help us learn certain habits and practices that they followed.
Ans

1. The daily routines of these great men dissiminate that they are different.
$\times 2$. Their unique lifestyles help us learn certain habits and practices that they followed.
$\times 3$. We can learn a lot about the art of living by having a peep into the lives of great men.
$\times 4$. The art of living is learnt easily by those who are positive and optimistic.
Q. 11 Select the correct idiom to replace the underlined segment in the given sentence.

We should ask Emily to join our team. She is as keen as butter.
Ans
$\times 1$. as keen as a bee
2. as keen as mustard

X 3. as keen as salt
X4. as keen as sugar
Q. 12 Choose the correct spelling of the underlined word in the given sentence. He has won the medal for the twelth time.
Ans
$\times 1$. Twellth
$\times$ 2. Twwelfth3. Twelfth
4. Twelth
Q. 13 Select the most appropriate meaning of the given idiom.

What a small world!
Ans
$\times 1$. The world is great.
$\times 2$. What a beautiful place!
$\times 3$. The world is a village.
4. What a coincidence!
Q. 14 Select the most appropriate option that can substitute the underlined segment in the given sentence.

Payal's father was seen desperately searching for the medicine that can counteract the effect of a venomous snakebite in Parul's left hand.
Ans
X 1. antiseptic
$\times$ 2. anti-serum
X 3. remedy

- 4. antidote

Question ID : 26433070594
Option 1 ID : 264330276840
Option 2 ID : $\mathbf{2 6 4 3 3 0 2 7 6 8 4 2}$
Option 3 ID : $\mathbf{2 6 4 3 3 0 2 7 6 8 4 3}$
Option 4 ID : 264330276841
Status: Answered
Q. 15 Select the most appropriate ANTONYM of the given word.

Asset
Ans
X 1. Mole
2. Liability

X 3. Wealth
X4. Refuge
Q. 16 Select the INCORRECTLY spelt word.

Ans
X 1. Merriment
$\times 2$ 2. Yearn
X 3. Zenith
4. Miniture
Q. 17 Select the most appropriate ANTONYM of the given word.

Placid
Ans

1. Turbulent
$\chi$ 2. Pensive
$\times 3$. Pristine
X4. Destined
Q. 18 Choose the most suitable idiom for the given situation

Ravi has a strong desire to be in college hockey team this year and he is working hard
to gain such skills to fulfill his goal of life. He has clearly made up his mind to achieve
his target.
Ans
$X 1$. To rise to the occasion
X 2. To make the cut
3. Set sights on4. To move the goal posts
Q. 19 Select the INCORRECTLY spelt word.

Ans
$\times 1$. Bread
$\times 2$ 2. Pasta
X 3. Noodle

- 4. Pitza
Q. 20 Identify the sentence that correctly uses the indefinite article.

Ans $\times 1$. There are three cars parked outside: a Mercedes, an Jaguar and a Fiat.
X 2. There are three cars parked outside: an Mercedes, a Jaguar and a Fiat.
3. There are three cars parked outside: a Mercedes, a Jaguar and a Fiat.

X 4. There are three cars parked outside: a Mercedes, an Jaguar and an Fiat.
Q. 21 You are preparing a speech for an upcoming function. Select a synonym for the highlighted word to make it better.

Effective public transportation networks may greatly alleviate traffic congestion and enhance inhabitants' quality of life in general.
Ans
Х1. Amplification
2. Diversion
3. Gridlock
4. Laxity
Q. 22 Select the option that can be used as a one-word substitute for the given group of words

Happening repeatedly
Ans
$\times 1$. Recuperate
2. Recurrent

X 3. Rapport
$\times 4$. Regression
Q. 23 Select the correct idiom that can substitute the italicised group of words in the given sentence.

He really stinks and smells foul after a hard session at the gym.
Ans
$\times 1$. an old flame
$\times 2$ 2. an iron will
3. pen and ink

X 4. lame excuse
Q. 24 The following sentence has been divided into parts. One of them may contain an error.

Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
I wanted to buy a candle holder, / but the store didn't have one. / So, I got a cake.
Ans
$X 2$. but the store didn't have one
X 3. I wanted to buy a candle holder
$\times$ 4. So, I got a cake
Q. 25 Select the most appropriate idiom to fill in the blank.

All my efforts went in vain. The project on which I was working for the last two months has failed and we are $\qquad$ -.

Ans
$X$ 1. all in the seventh heaven
2. back to square one
$X 3$. on the fly
$\times 4$. around the bend
Q. 26 Select the most appropriate idiom to fill in the blank.

Choosing not to pursue a degree in computer engineering was $\qquad$ as the market for them is extremely limited nowadays.

Ans

1. airy fairy
$X$ 2. a cut above
X 3. an elevator pitch
2. a blessing in disguise
Q. 27 Select the option that can be used as a one-word substitute for the given group of words.

A person who believes that God does not exist
Ans

1. Atheist
$\times 2$. Fanatic
X 3. Epicurean
$\times 4$. Hedonistic
Q. 28 Select the most appropriate ANTONYM of the word 'discordant' in the given sentence and choose the correct option.

The sweet melodious symphony of the piano filled the room, transporting the listeners to a world of beauty and emotion.
Ans
$\times 1$. Filled
2. Melodious
$\times$ 3. Transporting
$\times 4$. Emotion
Q. 29 Select the correct option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

He is faster than smarter.
Ans

1. more fast than smart
$\times 2$. fast than smart
$\times$ 3. faster than being smart
X 4. No substitution
Q. 30 Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

You arrived two days ago. By the time you leave, you will have spent nine days here.
Ans
X 1. You arrived two days ago2. No error
$\times$ 3. By the time you leave
4. you will have spent nine days here
Q. 31 Select the option that can be used as a one-word substitute for the given group of words

The study of the human mind
Ans

1. Psychology

X 2. Microbiology
X 3. Epidemiology
X4. Anthropology
Q. 32 Select the most appropriate option to substitute the underlined segment in the given sentence.

Any sort of unfair conduct is not tolerated in international sports tournaments as it can completely ruin an athlete's career.
Ans
$\times 1$. straw in the eye
$\times 2$. hand in the mud
3. foul play
$\times 4$. red handed
Q. 33 Select the most appropriate ANTONYM of the given word. Denounce
Ans

1. Praise

X 2. Relieve
X 3. Criticise
$\times 4$. Dainty
Q. 34 Select the most appropriate ANTONYM of the given word.

Leniency
Ans
$\times 1$. Penalty
X 2. Favour
3. Sternness

X 4. Discard
Q. 35 Select the most appropriate synonym of the word 'viable' in the given sentence and choose the correct option.

The engineer's design was optimised for efficiency and scalability, with a focus on sustainability.
Ans
$\times 1$. Efficiency
X 2. Optimised
X 3. Scalability
4. Sustainability
Q. 36 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

A Prime Minister of India / will address / the nation today / on the occasion of Independence Day.
Ans

1. A Prime Minister of India
$\times$ 2. the nation today
X 3. on the occasion of Independence Day
X4. will address
Q. 37 Select the most appropriate idiom to fill in the blank.

I think we should $\qquad$ before buying this car.
Ans
$\times 1$. eat like a horse
2. hold our horses
$\times 3$. stop to change horses
$\times 4$. get off our high horse
Q. 38 Select the correct idiom to substitute the underlined word segment in the following sentence.
She trusted her husband but he stabbed her in the neck when he usurped her inheritance.

Ans

1. stabbed her in the back
$\times 2$. stabbed her prospects
$\times$ 3. stabbed her with a fork
X 4. snapped her in the neck
Q. 39 Select the option that can be used as a one-word substitute for the given group of words.
A keeper or custodian of a museum or other collection
Ans
$X$ 1. Cartographer
X 2. Calligrapher
2. Curator
$\times$ 4. Chauffeur
Q. 40 Parts of the following sentence have been given as options. Select the option that contains an error.
Raman ate the cake and exclaimed that it tasted sweetly.
Ans
$\times 1$. the cake
$\times 2$. and exclaimed that
3. it tasted sweetly

X4. Raman ate

## 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.

South Korea is the most cosmetically (1) $\qquad$ country on Earth. Beauty editors estimate that it is because of the government's heavy investment (2) $\qquad$ industry. It competitors, and its citizens (3) $\qquad$ twice as much on skincare products as consumers in the United States, the UK, and France. Korean shoppers are (4) $\qquad$ the world's most
discerning. Eight out of 10 Korean women in their 20s and 30s use an app that (5) $\qquad$ like
a cosmetics-specific, to debate the merits of various common ingredients.
SubQuestion No : 41
Q. 41 Select the most appropriate option to fill in blank number 1 .

Ans
X 1. ancient
$\times 2$. primitive
3. advanced

X4. early

## 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.

South Korea is the most cosmetically (1) $\qquad$ country on Earth. Beauty editors estimate that it is because of the government's heavy investment (2) $\qquad$ industry. It is ahead of its competitors, and its citizens (3) $\qquad$ twice as much on skincare products as consumers in the United States, the UK, and France. Korean shoppers are (4) $\qquad$ the world's most discerning. Eight out of 10 Korean women in their 20s and 30 s use an app that (5) $\qquad$ like a cosmetics-specific, to debate the merits of various common ingredients.

SubQuestion No: 42
Q. 42 Select the most appropriate option to fill in blank number 2.

Ans
$\times 1$. of the
$\times 2$. by the

- 3. in the
$\times 4$. from the


## 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.

South Korea is the most cosmetically (1) $\qquad$ country on Earth. Beauty editors estimate that it is because of the government's heavy investment (2) $\qquad$ industry. It is ahead of its competitors, and its citizens (3) $\qquad$ twice as much on skincare products as consumers in
the United States, the UK, and France. Korean shoppers are (4) $\qquad$ the world's most
discerning. Eight out of 10 Korean women in their 20s and 30s use an app that (5) $\qquad$ like a cosmetics-specific, to debate the merits of various common ingredients.

SubQuestion No : 43
Q. 43 Select the most appropriate option to fill in blank number 3.

Ans

1. spend
$\times 2$. cherish
X 3. comply
$\times 4$. propagate

## 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.

South Korea is the most cosmetically (1) $\qquad$ country on Earth. Beauty editors estimate that it is because of the government's heavy investment (2) $\qquad$ industry. It is ahead of its competitors, and its citizens (3) $\qquad$ twice as much on skincare products as consumers in the United States, the UK, and France. Korean shoppers are (4) $\qquad$ the world's most discerning. Eight out of 10 Korean women in their 20s and 30 s use an app that (5) $\qquad$ like a cosmetics-specific, to debate the merits of various common ingredients.

SubQuestion No: 44
Q. 44 Select the most appropriate option to fill in blank number 4.

Ans

1. perhaps
$\times 2$ 2 although
X 3. maybe
$\times 4$. though

## 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.

South Korea is the most cosmetically (1) $\qquad$ country on Earth. Beauty editors estimate that it is because of the government's heavy investment (2) $\qquad$ industry. It is ahead of its competitors, and its citizens (3) $\qquad$ twice as much on skincare products as consumers in
the United States, the UK, and France. Korean shoppers are (4) $\qquad$ the world's most
discerning. Eight out of 10 Korean women in their 20s and 30s use an app that (5) $\qquad$ like a cosmetics-specific, to debate the merits of various common ingredients.

SubQuestion No: 45
Q. 45 Select the most appropriate option to fill in blank number 5.

Ans
$\times 1$. dissolves
$\times 2$. stops
X 3. malfunctions4. functions

## Comprehension:

Read the given passage carefully and answer the questions that follow.
Throughout history, the intricacies of the human mind have been the subject of fascination and inquiry. From ancient philosophers to modern-day neuroscientists, the workings of the brain have been studied and analysed in an attempt to unravel its mysteries. However, despite centuries of research, much remains unknown about the complexities of human cognition and consciousness.
One of the most fascinating aspects of the human mind is its ability to create and imagine. The human mind has the capacity to conceptualise and bring into being ideas that were previously unknown or unimaginable, from artistic expression to scientific discovery. The process of creativity has captured the attention of scholars and laypeople alike and is both enigmatic and awe-inspiring.
There have been many theories proposed to explain the process of creativity. Some suggest that it is a purely subconscious process, while others argue that creativity is a result of conscious effort and intentional problem-solving. Still others suggest that creativity arises from a combination of conscious and subconscious processes.
Despite the ongoing debate over the nature of creativity, one thing is clear: it is a multifaceted and complex phenomenon. Creativity can manifest in a wide range of human activities, from the creation of art and literature to the development of scientific theories and inventions. It can occur in both individual and collective contexts and can be driven by a variety of factors such as curiosity, passion, or the desire for recognition.
Creativity also has the potential to bring about positive change in the world. Throughout history, creative individuals and groups have used their talents to address social, political, and environmental challenges, often inspiring others to take action and make a difference. From the abolitionist movement to the civil rights movement to the environmental movement, creativity has played a crucial role in promoting social justice and positive change. Despite the many benefits of creativity, it is not without its challenges. The process of creative expression can be fraught with obstacles, from self-doubt and insecurity to external pressures and constraints. Moreover, not all creative ideas are successful or well-received, and many artists and innovators face rejection and criticism as they seek to bring their ideas to fruition. Despite these challenges, however, the human drive to create and imagine persists. Individuals and groups continue to harness the power of creativity to make a difference in the world. From the humblest amateur artist to the most celebrated innovator, the human capacity for creativity remains one of our greatest strengths and sources of inspiration.

SubQuestion No: 46
Q. 46 Select an appropriate title for the passage.

Ans

1. The Power of Creativity
$\times 2$. The Complexities of Human Cognition
X 3. The History of the Human Mind
X 4. The Role of the Human Mind in Promoting Positive Change

## Comprehension:

Read the given passage carefully and answer the questions that follow.
Throughout history, the intricacies of the human mind have been the subject of fascination and inquiry. From ancient philosophers to modern-day neuroscientists, the workings of the brain have been studied and analysed in an attempt to unravel its mysteries. However despite centuries of research, much remains unknown about the complexities of human cognition and consciousness.
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Individuals and groups continue to harness the power of creativity to make a difference in the world. From the humblest amateur artist to the most celebrated innovator, the human capacity for creativity remains one of our greatest strengths and sources of inspiration.

SubQuestion No: 47
Q. 47 What is the main focus of the passage?

Ans $\times 1$. The complexities and challenges of cognitive processes.
$\times 2$. The mysteries of the human mind.
3. The nature of creativity, its benefits and challenges
$\times 4$. The nature of fancy and imagination.

## Comprehension:

Read the given passage carefully and answer the questions that follow.
Throughout history, the intricacies of the human mind have been the subject of fascination and inquiry. From ancient philosophers to modern-day neuroscientists, the workings of the brain have been studied and analysed in an attempt to unravel its mysteries. However, despite centuries of research, much remains unknown about the complexities of human cognition and consciousness.
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SubQuestion No: 48
Q. 48 Which of the following factors can drive creativity?

Ans
$\times 1$. Self-doubt and insecurity
2. Curiosity and passion
3. Fancy and imagination

X 4. External pressures and constraints

## Comprehension:

Read the given passage carefully and answer the questions that follow.
Throughout history, the intricacies of the human mind have been the subject of fascination and inquiry. From ancient philosophers to modern-day neuroscientists, the workings of the brain have been studied and analysed in an attempt to unravel its mysteries. However despite centuries of research, much remains unknown about the complexities of human cognition and consciousness.
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SubQuestion No : 49
Q. 49 According to the passage, what is one of the challenges of creative expression?

Ans $\times 1$. The absence of external pressures and constraints.
Х 2. The limited capacity of the human mind.
3. The lack of appreciation for creative ideas.
$\times 4$. The overemphasis on conscious problem-solving.

## Comprehension:

Read the given passage carefully and answer the questions that follow.
Throughout history, the intricacies of the human mind have been the subject of fascination and inquiry. From ancient philosophers to modern-day neuroscientists, the workings of the brain have been studied and analysed in an attempt to unravel its mysteries. However, despite centuries of research, much remains unknown about the complexities of human cognition and consciousness.
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SubQuestion No : 50
Q. 50 Select the most appropriate ANTONYM for the word 'fraught'.

Ans
X1. Tranquil
$\times 2$. Calm
X 3. Beset
4. Devoid

