Sub Inspector in Delhi Police and Central Armed Police Forces Examination 2024 Paper I Exam

| Roll Number |  |
| :--- | :--- |
| Candidate Name |  |
| Venue Name | TCS Gito Bitan |
| Exam Date | 28/06/2024 |
| Exam Time | 12:30 PM - $2: 30$ PM |
| Subject | SICPO Paper I 2024 |

Section : General Intelligence and Reasoning
Q. 1 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:
All trains are buses.
Some buses are cars.
Conclusions:
I. All cars are buses.
II. Some buses are trains.

Ans

1. Neither conclusion I nor II follows
2. Only conclusion II follows
3. Both the conclusions follow
4. Only conclusion I follows
Q. 2 Select the option that is related to the fifth number in the same way as the fourth number is related to the third number and the second number is related to the first number.
76:69:: $49: 45$ :: 69 :?
Ans $\times 1.62$

- 2.63
$\times 3.67$
4.65
Q. 3 In a certain code language, 'HEMANT' is coded as 24-15-39-3-42-60 and 'VINAY' is coded as 66-27-42-3-75. How will 'MOHAN' be coded in the same language?
Ans
X 1.36-3-41-24-39

2. 43-24-3-56-7
3. 39-45-24-3-42

X 4. 24-39-4-42-27
Q. 4 In a certain code language, 'MARCH' is written as 'LBQDG' and 'TAXAS' is written as 'SBWBR'. How will 'PIECE' be written in the given language?
Ans

1. OJDDD
2. QHCED
3. QJDDF
< 4. OJDED
Q. 5 Select the Venn diagram that best illustrates the relationship between the following classes.
Tigers, Snakes, Elephants
Ans
$\times 1$.

$\times 2$.

$\times 3$.

, 4.

Q. 6 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

## MaGe 4



N
Ans
$\times 1 . \sin \mathbf{~}$

メз七ə อ е W

Q. 7 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

NAPE : MZOD :: DULL : CTKK :: KIND : ?
Ans
X1. IFLB
X 2. LJOE
3. LHOC
4. JHMC
Q. 8 Which of the following numbers will replace the question mark (?) in the given series?
$-32,-8,-2, ?,-\frac{1}{8}$
Ans
$\times 1 .-4$
2. $-\frac{1}{2}$

X 3. -1
X4. $-\frac{1}{4}$
Q. 9 What will come in the place of '?' in the following equation, if ' + ' and ' - ' are interchanged and also ' $x$ ' and ' $\div$ ' are interchanged? $47 \div 3-126 \times 6+18=$ ?
Ans
X 1.138
$\times 2.156$
2. 144
4. 149

Question ID : 630680343178
Option 1 ID : 6306801335087
Option 2 ID : 6306801335085
Option 3 ID : 6306801335088
Option 4 ID : 6306801335086
Status: Answered
Q. 10 A dice has numbers $2,3,4,5,8$ and 9 on its sides. Two different positions of the same dice are shown below. Select the number that will be on the face opposite to the one having 3.


Ans

1. 4
$\times 2.8$
X 3.2
$\times 4.5$
Q. 11 Which of the following numbers will replace the question mark (?) in the given series?

78, 86, 258, 322, ?
Ans
$\times 1.1288$
$\times 2.1360$

- 3.1610

X4. 1420

Question ID : 630680412021
Option 1 ID : 6306801606919
Option 2 ID : 6306801606920
Option 3 ID : 6306801606921
Option 4 ID : 6306801606922
Status: Not Answered
Chosen Option : --
Q. 12 Select the figure from among the given options that can logically replace the question mark (?) in the following series.


Ans

Q. 13 In a certain code language,
' $A \times B$ ' means ' $A$ is the son of $B$ ',
' $A$ - $B$ ' means ' $A$ is the brother of $B$ ',
' $A+B$ ' means ' $A$ is the wife of $B$ ',
' $A$ \% $B$ ' means ' $A$ is the father of $B$ '.
How is $M$ related to $T$ if ' $M+N \times P \% S-T$ '?
Ans
X 1. Mother's mother
X 2. Brother's wife's father's mother
X 3. Wife's father's mother
4. Brother's wife
Q. 14 Select the option figure in which the given figure $(X)$ is embedded as its part (rotation is NOT allowed).

(X)

Ans

$\times 4$


Question ID : 630680867781
Option 1 ID : 6306803398769
Option 2 ID : 6306803398771
Option 3 ID : 6306803398768
Option 4 ID : 6306803398770
Q. 15 Which of the following terms will replace the question mark (?) in the given series?

ADO, DGR, GJU,?
Ans
X 1. LON
2. JMX

X 3. JCB
$\times 4$ RCB
Q. 16 What will come in place of the question mark (?) in the following equation, if ' + ' and ' - ' are interchanged and ' $x$ ' and ' $\div$ ' are interchanged? $712 \div 6-15 \times 3+15=$ ?

Ans
X 1.4263
2. 4262
$\times 3.4256$
4. 4265

Question ID : 630680411742
Option 1 ID : 6306801605804
Option 2 ID : 6306801605803
Option 3 ID : 6306801605805
Option 4 ID : 6306801605806
Status: Answered
Chosen Option : 2
Q. 17 In a certain code language, 'HEN' is coded as ' 9 ' and 'AFTER' is coded as ' 25 '. How will 'SMALLEST' be coded in that language?
Ans
X 1.31

- 2.64
$\times 3.8$
$\times 4.56$

Q. $18 \mathrm{~J}, \mathrm{~K}, \mathrm{~L}, \mathrm{M}, \mathrm{O}$ and P are sitting around a circular table facing the centre. Both $L$ and $M$ are immediate neighbours of $J$. Only one person sits between $M$ and $P$. $O$ sits second to the right of J . O is not an immediate neighbour of L . Who is sitting to the immediate right of K ?
Ans

1. 

X 2. J
X3. P
X4.0
Q. 19 Which of the following numbers will replace the question mark (?) in the given series?

324, 361, 400, 441, 484, ?
Ans
$\times 1.592$
X2. 567

* 3.529

4. 586
Q. 20 If + means,-- means $\times, \times$ means $\div$, and $\div$ means + , what will be the value of the following expression?
$20 \times 5-7 \div 4+3=$ ?
Ans

$\times 2.18$
$\times 3.35$

- 4.29


Question ID : 630680411959
Option 1 ID : 6306801606671
Option 2 ID : 6306801606674
Option 3 ID : 6306801606673
Option 4 ID : 6306801606672
Q. 21 Select the Venn diagram that best illustrates the relationship between the following classes.

Grapes, Apples, Fruits
Ans
$\times 1$.


- 2. 


$\times 3$

$\times 4$.


Question ID : 630680869731
Option 1 ID : 6306803406292
Option 2 ID : 6306803406291
Option 3 ID : 6306803406290
Option 4 ID : 6306803406293 Status: Answered
Chosen Option : $\mathbf{2}$
Q. 22 Which two numbers should be interchanged to make the given equation correct?
$71+32 \times 2-63 \div 7+\left[(81)^{\frac{1}{4}}\right] \times 3-22=113$
Ans
$\times 1.2$ and 3
$\times 2.32$ and 22

- 3.3 and 7

4. 71 and 22
Q. 23 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.
23-27
Ans
X1.15-25
5. 11-33
6. $15-45$
7. 11-55
Q. 24 Select the number from among the given options that can replace the question mark
(?) in the following series.
125, 150, 177, 207, 242, ?
Ans
$\times 1.290$
8. 282
9. 280
10. 284
Q. 25 Select the option that indicates the correct arrangement of the given words in the order in which they appear in an English dictionary.
1- Incest
2- Inception
3- Incense
4- Incapacity
5- Incentive
Ans
X 1.5,3,2,1,4
11. 4, 3, 5, 2,
12. 5, 4, 3, 2, 1
13. $4,5,3,2,1$

## Q. 26 In a certain code language,

$\mathbf{M}$ \& $N$ means ' $M$ is the husband of $N$ ',
$\mathbf{M} @ \mathbf{N}$ means ' $M$ is the brother of $N$ ',
M \$ N means ' M is the father of N ',
M \# N means ' $M$ is the mother of $N$ '.
Based on the above, how is F related to J if 'F \& G \# H @ I \$ J'?
Ans
X 1. Mother's father
X 2. Mother
3. Sister
4. Father's father

Question ID : 630680224966
Option 1 ID : 630680872573
Option 2 ID : 630680872574
Option 3 ID : 630680872571
Option 4 ID : 630680872572
Status: Answered
Chosen Option: $\mathbf{4}$
Q. 27 In a code language, 'BEAM' is written as 'AFZN', and 'BILL' is written as 'AJKM'. How will 'WELL' be written in that language?
Ans

1. VFKM
2. MVKF
3. KMVF
4. VKMF

Question ID : 630680416679
Option 1 ID : 6306801625482
Option 2 ID : 6306801625479
Option 3 ID : 6306801625481
Option 4 ID : 6306801625480
Status : Answered
Chosen Option : 1
Q. 2820 is related to 30 following a certain logic. Following the same logic, 30 is related to 45. Which of the following numbers is related to 120 using the same logic?

Ans

- 1.80
$\times 2.75$
$\times 3.70$

4. 60

Question ID : 63068063343
Option 1 ID : 630680244538
Option 2 ID : 630680244541
Option 3 ID : $\mathbf{6 3 0 6 8 0 2 4 4 5 4 0}$
Option 4 ID : 630680244539
Status: Answered
Q. 29 Which letter cluster will replace the question mark (?) to complete the given series? RDLS, VKBF, ?, DYHF, HFXS

Ans

1. ZRRS
2. KBET
3. FHWR
4. ZTTS
Q. 30 A dice has letters $A, B, C, R, S$ and $T$ on its sides. Two different positions of the same dice are shown below. Select the letter that will be on the face opposite to the one having $A$.


Ans
X1. C
X2.R
X3.s
4. T

Question ID : 630680329093
Option 1 ID : 6306801280196
Option 2 ID : 6306801280195
Option 3 ID : 6306801280193
Option 4 ID : 6306801280194
Status : Answered
Q. 31 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

MdF37A

## N

Ans

$\times$ 2. $\boldsymbol{\forall} \boldsymbol{\Delta} \boldsymbol{\varepsilon} \boldsymbol{\cup} \mathbf{M}$

$\times 4.7$ A\&F b W
Q. 32 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Dinnerware
2. Dingiest
3. Dinosaurs
4. Dinucleotide
5. Dinkier
6. Dingling

Ans $\quad \times 1.5,2,3,6,1,4$
X2.2,6,3,5,1,4
X $3.5,2,6,3,1,4$

- $4.2,6,5,1,3,4$

Question ID : 630680417405
Option 1 ID: 6306801628386
Option 2 ID : 6306801628385
Option 3 ID : 6306801628384
Option 4 ID : 6306801628383
Status: Answered
Chosen Option : 4
Q. 3315 is related to 20 following a certain logic. Following the same logic, 6 is related to 8.

Which of the following numbers is related to 12 using the same logic?
Ans

- 1.9
$\times 2.10$
$\times 3.8$
$\times 4.7$
Q. 34 Priya starts from point $A$ and drives 9 km towards North. She then takes a right turn, drives 4 km to reach point $B$. She then turns right, drives 10 km and stops at point $C$. In which direction is point $C$ with respect to point $A$ ?
Ans
X 1. North-west
X 2. North-east


3. South-east
4. South


Ans


Question ID : 630680867764
Option 1 ID: 6306803398700
Option 2 ID : 6306803398703
Option 3 ID : 6306803398701
Option 4 ID: 6306803398702
Q. 36 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 /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
$(54,51,48)$
$(46,40,34)$
Ans

1. $(58,47,36)$

X 2. $(42,45,32)$
X $3 .(50,42,28)$
$\times 4 .(48,53,38)$
Q. 37 Which of the following letter-clusters will replace the question mark (?) in the given series?
ICE, LGJ, OKO, ?
Ans
X 1.RPT
2. ROT

X 3. QPT
X 4. SPT
Q. 38 A transparent sheet with a pattern is given below. Select the option that depicts the pattern that would appear when the given transparent sheet is folded at the middle vertical line.


Ans
$X 1$

$\times 2$.

$\times 3$

4.

Q. 39 What will come in the place of '?' in the following equation, if ' + ' and ' - ' are
interchanged and also ' $x$ ' and ' $\div$ ' are interchanged?
$53-48 \times 6 \div 9+11=$ ?
Ans

1. 114
2. 107
3. 129
4. 101

Question ID : 630680343179
Option 1 ID : 6306801335091
Option 2 ID : 6306801335090
Option 3 ID : 6306801335089
Option 4 ID : 6306801335092
Status : Answered
Q. 40 If ' $I$ ' stands for ' $x$ ', ' $J$ ' stands for ' + ', ' $K$ ' stands for ' $\div$ ' and ' $L$ ' stands for ' - ', what will come in place of the question mark (?) in the following equation?

17 I (11 L 8 J 4) L 148 K 4 J $22=?$
Ans
X1.114
X 2.128
2. 104

X4.98
Q. 41 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
TRUTH : IVXVY :: SIMPLE : FNSQNY :: AROUND : ?
Ans
X 1. EPXSRA
X 2. DNUORA
3. EPXSWG
4. EOVPSB
Q. 42 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:
All pebbles are stones.
No stones are shells.
Conclusions:
I. Some pebbles are shells.
II. No shells are stones.

Ans $\quad$ 1. Neither conclusion I nor II follows
2. Both conclusions I and II follow

X 3. Only conclusion I follows
4. Only conclusion II follows
Q. 43 In a certain code language, 'PANDA' is coded as 33-78-39-69-78 and 'SNAKE' is coded as 24-39-78-48-66. How will 'ZEBRA' be coded in the same language?

Ans

1. 3-66-75-27-78
2. 6-46-63-38-78
3. 7-46-65-13-78
4. 5-66-71-29-78
Q. 44 In a code language, 'ACID' is written as 'XDFE', and 'HAND' is written as 'EBKE'. How will 'ZEST' be written in that language?
Ans
X 1. PUWF
5. WFPU
6. WPUF
7. UWPF

Q. 45 The sequence of folding a paper and the manner in which the folded paper is cut is shown in the following figures. How would this paper look when unfolded?


Ans
$\times 1$.

$\times 2$.

$\times 3$.

$\checkmark 4$.


Question ID: $\mathbf{6 3 0 6 8 0 3 4 4 2 2 3}$
Option 1 ID : $\mathbf{6 3 0 6 8 0 1 3 3 9 2 0 7}$
Option 2 ID : $\mathbf{6 3 0 6 8 0 1 3 3 9 2 0 8}$
Option 3 ID: $\mathbf{6 3 0 6 8 0 1 3 3 9 2 0 5}$
Option 4 ID: $\mathbf{6 3 0 6 8 0 1 3 3 9 2 0 6}$
Status: Answered
Chosen Option: $\mathbf{4}$
Q. 46 If ' $A$ ' stands for ' $\div$ ’, ' $B$ ' stands for ' $x$ ', ' $C$ ' stands for ' + ' and ' $D$ ' stands for ' - ', what will come in place of the question mark (?) in the following equation?
342 A 2 C 125 B 1 D 43 = ?
Ans

1. 253
2. 251
3. 250
4. 252
Q. 47 Select the figure from among the given options that can logically replace the question mark (?) in the following series.

| $\begin{array}{lll}\Pi & & (1) \\ \% & !! & \#\end{array}$ |  | 4  $\%$ <br>  ח1)  <br> $\square$  $!!$ | $!+$  \% <br>  $\#$  <br> $\Pi$  (1) | ? |
| :---: | :---: | :---: | :---: | :---: |

Ans


Question ID : 630680867750
Option 1 ID : 6306803398645
Option 2 ID : 6306803398644
Option 3 ID : 6306803398647
Option 4 ID : 6306803398646
Q. 48 Select the correct mirror image of the given figure when the mirror is placed at MN as
shown below.

?

Ans

$\times 3$.


$\times 4$.

Q. 49 Shivani drives 17 km to the North, then drives 9 km East, and then drives 17 km South. How far is Shivani from the starting point when considered in a straight line?

Ans

1. 9 km

X2. 17 km
3. 12 km
4.26 km
Q. 50 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster does not belong to that group?
(Note: The odd letter-cluster is not based on the number of consonants/vowels or their position in the letter-cluster.)
Ans
X 1.RXU
< 2. IOL
3. MSO
4. FLI

## Section : General Knowledge and General Awareness

Q. 1 Which hairpin-like structure serves to anchor and stabilise the tick's mouthparts to its host's skin and to channel the exchange of fluids?
Ans
X 1. Substratum
2. Hypostome

X 3. Peduncle
4. Trunk
Q. 2 Where is the Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports situated?
Ans
X 1. Uttar Kashi, Uttarakhand
X 2. Pahalgam, Jammu and Kashmir
X 3. Darjeeling, West Bengal
4. Manali, Himachal Pradesh

Question ID : 630680123998
Option 1 ID : 630680480851
Option 2 ID : 630680480852
Option 3 ID : $\mathbf{6 3 0 6 8 0 4 8 0 8 5 0}$
Option 4 ID : 630680480853
Status: Answered
Chosen Option: 4
Q. 3 What was the winning throw of Neeraj Chopra in Tokyo Olympics-2020?

Ans

- 1.87 .58 m
$\times 2.90 .58 \mathrm{~m}$
X 3.80 .00 m

4. 90.00 m

Question ID : 630680192725
Option 1 ID : 630680747446
Option 2 ID : $\mathbf{6 3 0 6 8 0 7 4 7 4 4 8}$
Option 3 ID : $\mathbf{6 3 0 6 8 0 7 4 7 4 4 5}$
Option 4 ID : 630680747447 Status: Answered
Chosen Option: 1
Q. 4 Article 21 is related to which of the following fundamental rights?

Ans $\times 1$. Protection of Language, Culture of Minorities
2. Freedom of Speech

X 3. Freedom to Manage Religious Affairs

Q. 5 In which year was the Mahatma Gandhi National Rural Employment Guarantee Act passed?
Ans
X 1.2003
2. 2005
$\times 3.2004$
X4. 2006

Option 1 ID : 630680448245
Option 2 ID : $\mathbf{6 3 0 6 8 0 4 4 8 2 4 2}$
Option 3 ID : 630680448244
Option 4 ID : $\mathbf{6 3 0 6 8 0 4 4 8 2 4 3}$
Status: Answered
Q. 6 Which of the following is the most traditional mode of entering into the foreign market?
Ans $\quad$ 1. Undertaking portfolio investment
2. Exporting
3. Setting up fully owned manufacturing facilities
4. Mergers and acquisitions
Q. 7 Who won the bronze medal in womens boxing in Tokyo Olympics 2020?

Ans
X 1. Mirabai Chanu
X 2. MC Mary Kom
3. Lovlina Borgohain

X 4. Aditi Ashok

Question ID : 630680176975
Option 1 ID : 630680686104
Option 2 ID : 630680686106
Option 3 ID : $\mathbf{6 3 0 6 8 0 6 8 6 1 0 5}$
Option 4 ID : 630680686107 Status : Answered

Chosen Option : 1
Q. 8 Pandit Acchan Maharaj was a Kathak legend of which of the following gharanas?

Ans
X 1. Raigarh
X 2. Benaras
3. Lucknow
$\times 4$. Jaipur

Q. 9 The Supreme Court of India consists of $\qquad$ judges and Chief Judges of India.
Ans
$\times 1.35$

- 2.33
$\times 3.30$

4. 28
Q. 10 Who received the 67th National Film Award for Best Music Direction?

Ans
X 1. M Jayachandran
X 2.A. R. Rahman
2. Jyeshthoputro

X 4. Gopi Sunder

Option 1 ID : $\mathbf{6 3 0 6 8 0 6 2 0 2 0 3}$
Option 2 ID : 630680620201
Option 3 ID : $\mathbf{6 3 0 6 8 0 6 2 0 2 0 0}$
Option 4 ID : $\mathbf{6 3 0 6 8 0 6 2 0 2 0 2}$
Status : Answered
Chosen Option : 2
Q. 11 Which of the following compounds is an Alicyclic compound?

Ans 1. Cyclopropane
2. Isobutane
3. Acetic acid
4. Ethane

Option 1 ID : $\mathbf{6 3 0 6 8 0 8 1 6 0 7 2}$
Option 2 ID : 630680816071
Option 3 ID : 630680816074
Option 4 ID : 630680816073
Status: Answered
Chosen Option: $\mathbf{3}$
Q. 12 Under which of the following Acts of British India did the British government take direct control of the administration of India in its own hands?

Ans
X 1. Bengal Regulation Act of 1818
2. Indian Contract Act of 1872
3. Charter Act of 1813
4. Government of India Act 1858

Q. 13 The Sadir dancer R Muthukannammal is the recipient of which of the following awards in the year 2022?
Ans $\times$ 1. Padma Bhushan Award
2. Padma Shri Award
3. Bharat Ratna Award
4. Padma Vibhushan Award
Q. 14 Identify a conventional source of energy from the following options.

Ans

1. Cattle dung

X 2. Solar power
X 3. Atomic energy
4. Geothermal energy

Option 1 ID : $\mathbf{6 3 0 6 8 0 3 8 5 0 3 3}$
Option 2 ID : $\mathbf{6 3 0 6 8 0 3 8 5 0 3 2}$
Option 3 ID : 630680385035
Option 4 ID : 630680385034
Status : Answered
Chosen Option: 3
Q. 15 Who among the following is the pioneer and founder of Kirana Gharana of Hindustani music?
Ans $\quad$ 1. Firoz Dastur
2. Abdul Karim Khan

X 3. Sawai Gandharva
4. Bhimsen Joshi
Q. 16 In the IUPAC name of a compound, the $\qquad$ indicates the total number of carbon atoms present in the longest carbon chain belonging to the compound.
Ans

1. Suffix

X 2. Infix

Q. 17 Which city has been selected to host Olympics - 2032 by IOC on 21 July 2021?

Ans
X 1. Moscow
2. Sydney
3. Brisbane
4. New York
Q. 18 What is a population (or subspecies or race) that is adapted to local environmental conditions called?
Ans

1. Biome

X 2. Prototype
3. Ecotype
4. Niche
Q. 19 When was the Prime Minister's Employment Generation Programme (PMEGP) launched?

Ans

1. 2012
2. 2006
3. 2009
4. 2008

Question ID : 630680409721
Option 1 ID : 6306801597716
Option 2 ID : 6306801597714
Option 3 ID : 6306801597713
Option 4 ID: 6306801597715
Status: Answered
Chosen Option: 4
Q. 20 Which Five Year Plan period saw the initiation of the Hill Area Development Programme?

Ans $X$ 1. Eighth Five Year Plan
X 2. Fourth Five Year Plan
3. Fifth Five Year Plan

X 4. Sixth Five Year Plan

Q. 21 Which of the following acts gave the British Indian government the authority to arrest anyone without a trial?
Ans $\quad$ 1. The Indian Press Act
X 2. Pitt's India Act
3. The Indian Slavery Act
4. The Rowlatt Act
Q. 22 Which of the following statements are correct regarding State Legislatures?
A. Notwithstanding anything in part XVII, but subject to the provisions of Article 348,
business in the Legislature of a State shall be transacted in the official language or
languages of the State or in Hindi or in English.
B. The Speaker of the Legislative Assembly or Chairman of the Legislative Council can permit any member to speak in his mother tongue.
C. Only the Supreme Court is entitled to inquire into the proceeding of the State Legislature.
Ans
$X 1$. B and C only
X 2. A and C only
3. A and B only
4. A, B and C

Q. 23 How much percentage of Earth's water make up the oceans?

Ans

1. $97 \%$
$\times 2.7 \%$
× $3.57 \%$
$\times 4.37 \%$
Q. 24 The Himalayas have uplifted from which of the following geosynclines?

Ans $\times 1$. Appalachians geosynclines
X 2. Aravalli geosynclines
X 3. Caledonian geosynclines
4. Tethys geosynclines
Q. 25 Which of the following kings of Vijayanagara took the title of 'establisher of the Yavana kingdom'?
Ans

1. Krishna Deva Raya

X 2. Vira Narasimha Raya
X 3. Achyuta Deva Raya
4. Sada Siva Raya

Question ID : 630680412504
Option 1 ID : 6306801608842
Option 2 ID : 6306801608839
Option 3 ID : 6306801608841
Option 4 ID : 6306801608840 Status : Answered

Chosen Option : 3
Q. 26 Which of the following is a tributary of river Indus?

Ans
X 1. Lohit
2. Shyok
3. Betwa

X4. Dibang

Q. 27 Identify an organelle found both in eukaryotic as well as prokaryotic.

Ans

1. Ribosomes
2. Mitochondria
3. Lysosomes
4. Endosomes
Q. 28 Which physicist is known to establish the relationship between mechanical work and heat transfer?
Ans $\quad$ 1. William Henry
5. James Prescott Joule

X 3. Hermann Helmholtz
4. John Dalton
Q. 29 Who among the following wrote the novel 'Grimus'?

Ans
X 1. Amitav Ghosh
X 2. Vikram Seth
X 3. Arvind Adiga
4. Salman Rushdie

Question ID : 630680409374
Option 1 ID : 6306801596328
Option 2 ID : 6306801596325
Option 3 ID : 6306801596327
Option 4 ID : 6306801596326
Status: Answered
Chosen Option: $\mathbf{3}$
Q. 30 Which Article of the Indian Constitution mentions that 'The Council of Ministers shall be collectively responsible to the Legislative Assembly of the state'?
Ans

1. Article 164(3)

X 2. Article 164(4)
3. Article 164(2)

X 4. Article 164(1)

Q. 31 Which of the following is a term for the common local wind that blows in north and north-western parts of India during summers?
Ans

1. Loo

X 2. Bora
X 3. Foehn
4. Chinook
Q. 32 The tendency of an atom or a functional group to attract a shared pair of electrons toward itself, is known as:
Ans $\times 1$. electro-positivity
2. electron affinity
3. electro attraction
4. electronegativity
Q. 33 In which of the following years, were separate electorates introduced in the Imperial Legislative Assembly elections in the name of Morley- Minto Reforms?
Ans $\quad$ 1. Government of India Act, 1919
2. Government of India Act, 1935
3. Indian Council Act, 1909
4. Indian Council Act, 1861
Q. 34 Mallika Sarabhai is famous for which of the following dances?

Ans
X 1. Kathak
X 2. Odissi
X 3. Sattriya
4. Kuchipudi

Q. 35 As per the decision by the Cabinet Committee on Economic Affairs (CCEA) of the Government of India in 2023, the MSP for Paddy (Common) has been fixed at ___ higher than the last season.
Ans
X $1.8 \%$
< 2.9\%
3. $7 \%$
4.5\%

Question ID : 630680409704
Option 1 ID : 6306801597647
Option 2 ID : 6306801597648
Option 3 ID : 6306801597646
Option 4 ID : 6306801597645
Status: Answered
Chosen Option: 3
Q. 36 Sitara Devi, a doyen of $\qquad$ Dance, was hailed as the Queen of Kathak by Rabindranath Tagore.
Ans
X 1. Manipuri
X 2. Odissi
X 3. Sattriya
2 4. Kathak

Question ID : 630680409349
Option 1 ID : 6306801596228
Option 2 ID : 6306801596225
Option 3 ID : 6306801596227
Option 4 ID : 6306801596226
Status : Answered
Chosen Option : 2
Q. 37 Which of the following is NOT an agro-based industry?

Ans $\times 1$. Sugar

Q. 38 Which of the following books was written by Chitra Banerjee Divakaruni?

Ans
$\chi 1$. The feast of roses
X 2. Malgudi Days
3. The Palace of Illusions
4. A Fine Balance
Q. 39 Which of the following is an open chain organic compound?

Ans
X 1. Benzene
X 2. Tetrahydrofuran
$X$ 3. Toluene
4. Acetaldehyde
Q. 40 Which festival is celebrated by Christians as the birth of Jesus Christ?

Ans 1. Christmas
2. Easter
3. Good Friday
4. Eid ul Fitr

Question ID : 630680409212
Option 1 ID : 6306801595678
Option 2 ID : 6306801595680
Option 3 ID : 6306801595679
Option 4 ID : 6306801595677
Status: Answered
Chosen Option: 1
Q. 41 Taxes like gift tax, wealth tax etc are also referred to as which type of taxes?

Ans
X 1. Paperless taxes
2. Rich taxes
3. Direct taxes
4. Paper taxes

Q. 42 Harshacharita book was written by which of the following writers?

Ans
X 1. Harisena
X 2. Amarasimha
X 3. Vararuchi
4. Banabhatta

Question ID : 630680412347
Option 1 ID: 6306801608212
Option 2 ID : 6306801608214
Option 3 ID : 6306801608213
Option 4 ID : 6306801608211
Status: Answered
Chosen Option: 4
Q. 43 Krishna III of Rashtrakuta dynasty established a victory pillar and a temple at which of the following cities of south India after defeating the Chola ruler Parantaka I?
Ans

1. Takkolam

X 2. Udaiyalur
X 3. Poompuhar
4. Rameswaram
Q. 44 If a person who is arrested, is NOT produced before the Magistrate within 24 hours from the time of arrest, he will be entitled to be released on the writ of $\qquad$ -.

Ans
X 1. Prohibition
X 2. Quo-warranto
3. Mandamus
4. Habeas Corpus
Q. 45 The advisory board under provisions of Article 22 of the Constitution is to be consisted of persons who are, or have been or are qualified to be appointed as

Ans
Х 1. Judges of Lower court
X 2. Judges of Supreme court
3. Judges of High court
4. Judges of District court Dint court

Q. 46 In 2023, the President of which of the following countries was invited as the chief guest at India's Republic Day celebration?

Ans

1. Egypt
2. Japan
3. Russia
4. United States of America
Q. 47 According to Agricultural Statistics at a Glance 2022, Government of India, which state recorded the highest production of Bajra?
Ans $\quad$ 1. Maharashtra
5. Haryana
6. Madhya Pradesh
7. Rajasthan
Q. 48 Identify a muscle responsible for exit of waste material from the body.

Ans
X 1. Pectoralis
2. Sphincter

X 3. Rectus
4. Gastrocnemius

Q. 49 Assume that the value of the cash reserve ratio is $25 \%$. What will be the value of money multiplier?
Ans

1. 4
$\times 2.3$
$\times 3.2$
$\times 4.5$
Q. 50 Who among the following belongs to Patiala Gharana?

Ans
X 1. Nathu Khan
X 2. Chhaju Khan
X 3. Abdul Wahid Khan
4. Ali Baksh Khan

## Section : Quantitative Aptitude

Q. 1 If $855 \div 15-k+32 \times 5=1152 \div 16 \times 111 \div 37$, then the value of $k$ is:

Ans
$\times 1.0$
$\times 2.3$
$\times 3.2$

- 4.1
Q. 2 In an election between $A$ and $B$, every fifth vote polled was marked as invalid by the machine. In the remaining votes, A wins the election with a margin of 2500 votes or $10 \%$ of the total votes polled, over B. If $90 \%$ of the invalid votes would have been in favour of B, then which of the following would have been the result of the election?
Ans
$X 1$. A would have won by $3 \%$
X 2. A would have won by $8 \%$

3. B would have won by $8 \%$

X 4. B would have won by $3 \%$



Question ID : 630680428889
Option 1 ID : 6306801673602
Option 2 ID : 6306801673600
Option 3 ID : 6306801673601
Option 4 ID : 6306801673603
Status : Answered
Chosen Option : 2
Q. 3 Find the simplified value of 5055 - ( $1002 \div \mathbf{2 0 . 0 4 )}$.

Ans
X 1.50 .05
X2. 4050
X 3.5050

- 4.5005

Question ID : 630680429312
Option 1 ID : 6306801675293
Option 2 ID : 6306801675295
Option 3 ID : 6306801675292
Option 4 ID : 6306801675294
Status : Answered
Chosen Option : 4
Q. 4 The population of a city increases every year at the rate of $5 \%$. If the population of the city is 16000 , what will be the population after 2 years?
Ans
X 1.17700
2. 17600
$\times 3.17000$
4. 17640
Q. 5 Study the given table and answer the question that follows.

The table shows the number of students in various courses in various cities A, B, C, D and E in India during the academic year 2022-2023.

| City | MBA | Science | Engineering | Medicine | MCA | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| A | 1200 | 2560 | 4520 | 1100 | 960 | 10340 |
| B | 1350 | 2650 | 5100 | 1050 | 850 | 11000 |
| C | 1250 | 2640 | 4580 | 1120 | 750 | 10340 |
| D | 1960 | 1250 | 3500 | 1850 | 1600 | 10160 |
| E | 1200 | 2100 | 3500 | 1960 | 1540 | 10300 |
| Total | 6960 | 11200 | 21200 | 7080 | 5700 |  |



In city A, the number of students in Medicine is nearly what percentage of MBA?
Ans
X $1.87 \%$
X 2.85\%

- $3.92 \%$

X4.89\%
Q. 6 A dishonest dealer professes to sell his goods at cost price but uses a false weight of 950 grams instead of 1 kilogram. His gain percentage is:

Ans
$\times 1.6 \frac{5}{19} \%$
X 2. $7 \frac{5}{19} \%$
$\times 3.4 \frac{5}{19} \%$
4. $5 \frac{5}{19} \%$
Q. 7 Find the value of $15 \%$ of $1.5+0.15 \div 0.1+0.01$ of $1.1 \times 0.5+2.5 \times 25$.

Ans
X1.6.42305
×2.62.2305
3. 77.2305
4. 64.2305

Question ID : 630680428097
Option 1 ID : 6306801670432
Option 2 ID : 6306801670435
Option 3 ID : 6306801670434
Option 4 ID : 6306801670433
Status: Not Answered
Chosen Option : --
Q. 8 If $\sin x+\cos x=\sqrt{2} \sin x$, then the value of $\sin x-\cos x$ is:

Ans
$x$ 1. $\sqrt{2} \sin x$
X2. $2 \sin \mathrm{x}$
X 3. $-\sqrt{2} \cos x$
4. $\sqrt{2} \cos x$
Q. 9 If the radius of a sphere is increased by $125 \%$, then by what percentage will its surface area increase (correct to two decimal places)?
Ans
$\times 1.509 .54 \%$
X 2. 409.76\%
3. $406.25 \%$
4. 506.25\%
Q. 10 Simplify
$\left[3 \frac{2}{5} \times\left\{2 \frac{3}{4}+3.3\left(5 \frac{1}{3}+3 \frac{1}{3}-2 \frac{1}{3}\right)\right\}\right]$
Ans $\times 1.46 .29$
2. 80.41
$\times 3.70 .25$
$\times 4.53 .25$

Question ID : 630680427968
Option 1 ID : 6306801669917
Option 2 ID : 6306801669919
Option 3 ID : 6306801669918
Option 4 ID : 6306801669916 Status : Not Answered
Chosen Option: --
Q. 11 If the three sides of a triangle are 12,22 and $m$ units, then which of the following is correct?
Ans $\quad \times 1.10 \leq m<34$
X $2.10 \leq m \leq 34$

- $3.10<m<34$

X4. $10<m \leq 34$

Q. 12 A cylinder of radius 7 cm has a curved surface area of $2200 \mathrm{~cm}^{2}$. Find its total surface area. (Use $\pi=\frac{22}{7}$ )

Ans

- $1.2508 \mathrm{~cm}^{2}$

X 2. $2260 \mathrm{~cm}^{2}$
$\times 3.2550 \mathrm{~cm}^{2}$
X $4.1580 \mathrm{~cm}^{2}$
Q. 13 The value of $66 \div[34-(32$ of $2-4) \div(4 \times 15)]$ is equal to:

Ans $\times 1.3$

- 2.2
$\times 3.0$
$\times 4.1$

Q. 14 The following table shows the total number of employees in 4 different colleges and the percentage of female employees and that of male employees. Study the table carefully and answer the question that follows.

| College | Total Number of <br> Employees | Percentage of <br> Female Employees | Percentage of Male <br> Employees |
| :--- | :--- | :--- | :--- |
| A | 700 | $35 \%$ | $65 \%$ |
| B | 550 | $30 \%$ | $70 \%$ |
| C | 600 | $40 \%$ | $60 \%$ |
| D | 800 | $55 \%$ | $45 \%$ |

The number of females in colleges $A$ and $D$ together is what percentage of the number of males in colleges B and C together (rounded off to two decimal places)?

Ans
X 1.80.84\%
$\times 2.80 .95 \%$
3.91.95\%
$\times 4.90 .86 \%$
Q. 15 The following table shows the population (in hundreds) of five different cities (A, B, C, D and E) categorised by gender.

| City | Population | Men: Women |
| :---: | :---: | :---: |
| A | 2340 | $1: 2$ |
| B | 900 | $3: 1$ |
| C | 1510 | $3: 2$ |
| D | 2010 | $2: 3$ |
| E | 1750 | $4: 3$ |



What is the total number of women (in hundreds) in City A and City B?
Ans
X 1.1998
X 2. 1898
X 3.1658
4. 1785
Q. 16 A shopkeeper gives a discount of $12 \%$ on the purchase of 10 kg of sugar. The cost price of the sugar is $₹ 30 / \mathrm{kg}$, and the marked price is ₹ $38 / \mathrm{kg}$. The weighing machine of the shopkeeper is faulty, and it shows weight of 1 kg when the actual weight is 900 grams. Find the percentage profit of the shop keeper (rounded off to two decimal places).

Ans

1. $23.85 \%$

X 2. 22.25\%
3. 12.5\%
4. $30.18 \%$
Q. 17 The distance (d) a moving body travels, varies directly with the time (t) when it moves. A train travels $\mathbf{7 2} \mathbf{k m}$ in $\mathbf{2}$ hours. Find the equation that relates $d$ and $t$.

Ans

1. $d=\frac{t}{36}$
$X 2$
2. $d=t-36$
3. $d=t+36$
4. $d=36 t$
Q. 18 A hollow sphere of external and internal diameters of 10 cm and 6 cm , respectively, is melted and made into another solid in the shape of a right circular cone of base diameter 10 cm . Find the height of the cone.
Ans
$\times 1.13 .68 \mathrm{~cm}$
X 2. 16.68 cm
X 3.14 .68 cm
v. 4.15 .68 cm
Q. 19 The area of a sector of a circle having radius 14 cm is $231 \mathrm{~cm}^{2}$. Find the degree measure of the corresponding central angle.
(Use $\pi=\frac{22}{7}$ )
Ans
$\times 1.140^{\circ}$
5. $135^{\circ}$
$\times 3.150^{\circ}$
$\times 4.125^{\circ}$
Q. 20 If $(a-18)^{2}+(b-12)^{2}+(c-6)^{2}=0$, then find the value of $(a+b+c)^{\frac{1}{2}}$.

Ans
X1. $\pm 3$
X $2 . \pm 2$
X $3 . \pm 4$

- $4 . \pm 6$
Q. 21 The below table shows the number of trees of 3 different fruits, planted during 20182022. Study the table carefully and answer the question based on it.

| Year | Jackfruit | Mango | Butter Fruit |
| :--- | :--- | :--- | :--- |
| 2018 | 35,000 | 40,000 | 55,000 |
| 2019 | 38,000 | 48,000 | 58,000 |
| 2020 | 42,000 | 52,000 | 62,000 |
| 2021 | 45,000 | 55,000 | 65,000 |
| 2022 | 48,000 | 58,000 | 68,000 |

What was the percentage increase in the number of mango trees planted in 2020 compared to the number of mango trees planted in 2018?
Ans
, 1. $30 \%$
X 2. 17.5\%
X 3.23.08\%
4. 15\%
Q. 22 Study the given table and answer the question that follows.

| Category | 2019 | 2020 |
| :---: | :---: | :---: |
| Raw material | 5000 | 6000 |
| Power and fuel | 10000 | 12000 |
| Salary and wages | 8000 | 12000 |
| Advertising | 10000 | 20000 |

Find the difference between the least percentage increase and the highest percentage increase in year 2019-2020.

Ans
$\times 1.50 \%$
2. 60\%
3. $70 \%$
4. $80 \%$
Q. 23 Simplify $(4+4) \times(4 \div 4) \times(4 \times 4)$.

Ans
X 1.124
X 2.130
X 3.144
4. 128

Question ID : 630680428126
Option 1 ID : 6306801670549
Option 2 ID : 6306801670551
Option 3 ID : 6306801670548
Option 4 ID : 6306801670550
Status : Answered
Chosen Option : 4
Q. 24 The sum of two numbers is 28 and the sum of their squares is 528 . Find the square root of the product of both the numbers.
Ans
$\times 1.4 \sqrt{2}$
X2. $6 \sqrt{2}$
$x$
3. $2 \sqrt{2}$
4. $8 \sqrt{2}$
Q. 25 A train covers a distance of 850 metres in 45 seconds. Travelling at the same speed, how many kilometres will the train cover in an hour?

Ans
X 1.69
X2.67.2
X 3.67 .5
4. 68
Q. 26 Applied to a bill for ₹ 1000 , what is the difference between a discount of $40 \%$ and two successive discounts of $36 \%$ and $4 \%$ ?

Ans
X 1. ₹154
X 2. ₹144
3. ₹14.40
4. ₹15.40
Q. 27 Ronak and Riya can do a work in 12 and 18 days, respectively. They worked together for six days and then Ronak left. Find the time taken by Riya to complete the work.
Ans

1. 3 days

X 2.5 days
3.6 days
4.7 days

Q. 28 Simplify the following expression.
$(6+6$ of $5 \div 5) \div 6$ of $5+(24 \div 2$ of $3-6$ of $5+4)$
Ans
$\times 1 .-26 \frac{2}{5}$
2. $-21 \frac{3}{5}$
(3. $-17 \frac{2}{5}$
(4. $-23 \frac{1}{5}$

Option 1 ID : 6306801670947
Option 2 ID : 6306801670945
Option 3 ID : 6306801670946
Option 4 ID : 6306801670944
Q. 29 A certain sum of money is given at a certain rate of simple interest for 4 years. Had it been given at $11 \%$ higher rate for the same time, it would have fetched ₹ 1320 more. Find the sum (in ₹).
Ans
X 1.4580
2. 3000
$\times 3.2500$
4.3240
Q. 30 A person covers 11 km with a speed of $7 \mathrm{~km} / \mathrm{h}, 25 \mathrm{~km}$ with a speed of $10 \mathrm{~km} / \mathrm{h}$ and 30 km with a speed of $20 \mathrm{~km} / \mathrm{h}$. What is the average speed of the person?
Ans
X 1. $11 \frac{9}{13} \mathrm{~km} / \mathrm{h}$
×2. $11 \frac{7}{13} \mathrm{~km} / \mathrm{h}$
3. $11 \frac{11}{13} \mathrm{~km} / \mathrm{h}$

X4. $11 \frac{10}{13} \mathrm{~km} / \mathrm{h}$
Q. 31 If four distinct positive numbers, $a, b, c$ and $d$, in the order given are in proportion, then which of the following options is NOT correct?
Ans $\quad$ 1. $\mathrm{b}, \mathrm{a}, \mathrm{d}$ and c , in the order given are in proportion.
2. c, d, b and a, in the order given are in proportion.

X 3. a , c, b and d, in the order given are in proportion.
4. d, c, b and a, in the order given are in proportion.
Q. $32\left(1-\cos ^{2} A\right) \sec ^{2} A$ is equal to:

Ans $\quad \times 1 \cdot \operatorname{cosec}^{2} A$
2. $\tan ^{2} \mathrm{~A}$
3. $\cos ^{2} A \cot ^{2} A$
4. $\cot ^{2} \mathrm{~A}$
Q. 33 Shiya invests $₹ 1,53,000$, which is $30 \%$ of her annual income, in mutual funds. What is her monthly income (in ₹)?
Ans $\times 1.45,800$
2. 42,500
3. 55,600
4. 52,300

Q. 34 In a class, there are 60 students. The average weight of the entire class is 42 kg . If there are 36 boys in the class and the average weight of all the boys is 50 kg , then what is the average weight (in kg ) of all the girls?
Ans
$\times 1.32$
จ 2.30
$\times 3.36$
$\times 4.34$
Q. 35 Simplify the given expression.
$1000 \times 100-1000+4000 \div 200$
Ans $\times 1.99235$
$\times 2.99980$
3. 99020
$\times 4.99999$

Question ID : 630680428053
Option 1 ID : 6306801670258
Option 2 ID : 6306801670257
Option 3 ID : 6306801670259
Option 4 ID : 6306801670256
Q. 36 If $x-y=25$ and $x y=444$, compute the value of $x^{3}-y^{3}$.

Ans $\times 1.28,495$
2. 48,925

X 3. 42,985
X4.26,725

Q. 37 A cylinder has a radius of 7 cm and the area of its curved surface is $396 \mathrm{~cm}^{2}$. The volume of the cylinder is:

Ans
$X 1.1381 \mathrm{~cm}^{3}$
$\times 2.1391 \mathrm{~cm}^{3}$

- $3.1386 \mathrm{~cm}^{3}$

X $4.1396 \mathrm{~cm}^{3}$
Q. 38 Two towns $P$ and $Q$ are 275 km apart. A motorcycle rider starts from $P$ towards $Q$ at 10:00 a.m. at the speed of $25 \mathrm{~km} / \mathrm{h}$. Another rider starts from $Q$ towards $P$ at 12 noon on the same day at the speed of $20 \mathrm{~km} / \mathrm{h}$. At what time will they cross each other?
Ans
X 1. 1:15 p.m.
2. 3:00 p.m.
3. 4:30 p.m.
4. 5:00 p.m.
Q. 39 If $4 \sin ^{2} \theta=3(1+\cos \theta), 0^{\circ}<\theta<90^{\circ}$, then what is the value of $\sqrt{15} \tan \theta+\frac{4}{\sqrt{15}} \sin \theta+$ $2 \sec \theta$ ?

Ans
$\times 1.8$
2. 24

X 3. $4 \sqrt{15}$
X4. $\frac{8}{\sqrt{15}}$
Q. 40 Study the given table and answer the question that follows.

The table shows the number of eggs produced in five farms.

| Year | Farm |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | P | Q | R | S | T |
| 2010 | 1020 | 1418 | 1630 | 1740 | 1580 |
| 2011 | 1260 | 1390 | 1460 | 1530 | 1620 |
| 2012 | 1120 | 1765 | 1480 | 1515 | 1640 |
| 2013 | 1465 | 1555 | 1746 | 1418 | 1545 |

What is the respective ratio of the dozens of eggs produced by farm $P$ to farm $T$ in the year 2011?

Ans
X 1.7:5
X 2.5:7
X 3.9:7
4.7:9
Q. 41 A spherical box has surface area $528 \mathrm{~cm}^{2}$. Find the radius of the spherical box.

Ans $\quad \times 1 . \sqrt{35} \mathrm{~cm}$
2. $\sqrt{42} \mathrm{~cm}$

X3. $\sqrt{29} \mathrm{~cm}$
X4. $\sqrt{37} \mathrm{~cm}$

Q. 42 What is the length (in cm ) of chord PQ in a circle with a radius of 7 cm , where a diameter $A B$ and non-diameter chord $P Q$ intersect perpendicularly at point $C$, and the ratio of $A C$ to $B C$ is $4: 3$ ?
Ans
X1. $6 \sqrt{3}$
X2. $2 \sqrt{3}$
$\times$ 3. $4 \sqrt{3}$
-4. $8 \sqrt{3}$
Q. 43 A man travels 1200 km by train at $80 \mathrm{~km} / \mathrm{h}, 1600 \mathrm{~km}$ by ship at $40 \mathrm{~km} / \mathrm{h}, 1000 \mathrm{~km}$ by plane at $400 \mathrm{~km} / \mathrm{h}$, and 200 km by car at $50 \mathrm{~km} / \mathrm{h}$. What is the average speed for the entire distance? (rounded off to 2 decimal places)
Ans

- $1.65 .04 \mathrm{~km} / \mathrm{h}$

X $2.72 .40 \mathrm{~km} / \mathrm{h}$
X $3.68 .14 \mathrm{~km} / \mathrm{h}$
4. $75.40 \mathrm{~km} / \mathrm{h}$
Q. 44 Simplify the given expression.
$[\{9 \times 81+(142 \div 2)\}+350-155+5] \div[(25 \times 25)-125]$
Ans
X1.1
< 2. ${ }_{-1}$
X 3. -2
4. 2

Question ID : 630680428000
Option 1 ID : 6306801670046
Option 2 ID : 6306801670045
Option 3 ID : 6306801670044
Option 4 ID : 6306801670047
Status: Answered
Q. 45 Study the given table and answer the question that follows.

The table below shows the number of people who responded to a survey about their favourite style of music.

| Age | $25-30$ | $31-50$ | $51+$ |
| :---: | :---: | :---: | :---: |
| Classical | 2 | 9 | 16 |
| Pop | 10 | 16 | 8 |
| Hip-Hop | 4 | 7 | 6 |
| Rock | 14 | 17 | 14 |
| Ambient | 7 | 13 | 20 |
| Total | 37 | 62 | 64 |

What percentage of respondents aged 31-50 indicated a favourite style other than Pop music (rounded off to 2 decimal places)?
Ans
X $1.82 .39 \%$
X 2. 76.25\%

- 3.74.19\%
$\times 4.78 .20 \%$
Q. 46 Manish, Nakul and Pintoo alone can complete a certain work in 21days, 28 days and 15 days, respectively. Manish and Pintoo started the work together while Nakul joined them after 5 days and worked with them till the completion of the work. For how many days did Nakul work?
Ans
$\times 1.5 \frac{1}{2}$

2. $2 \frac{6}{7}$

$\begin{array}{r}2 \frac{7}{7} \\ \times 32 \\ \hline\end{array}$
$\times 4.3 \frac{1}{2}$

Q. 47 If $\tan \theta+\cot \theta=6$, then the value of $\tan ^{2} \theta+\cot ^{2} \theta$ is $\qquad$ -

Ans
$\times 1.20$
$\times 2.24$
3. 34
4. 22

Option 1 ID : 6306803405728
Option 2 ID : 6306803405726
Option 3 ID : 6306803405727
Option 4 ID : 6306803405729
Q. 48 If the sides of a triangle are 7, 12 and $x$, and $x$ is an integer, then find the number of possible values of $x$.
Ans

1. 13
2. 14
3. 12
4. 15
Q. 49 Ramnarayan's salary was reduced by $3 \frac{1}{8} \%$, and then, the reduced salary was increased by $7 \frac{2}{5} \%$. By
what percentage (rounded off to two decimal places) is his new salary more/less as compared to his
original salary?
Ans
X1.4.04\% less
5. $4.04 \%$ more

X 3.3.03\% less
X 4.3.03\% more

Q. 50 On the tag price, a seller offers a $10 \%$ discount and a cashback of ₹ 250 . He still earns $10 \%$ profit. If the cost price is ₹ 1,200 , then the tag price (rounded off to 2 decimal places) is ₹ $\qquad$ -.

Ans
X 1.1774 .44
$\times 2.1777 .44$
3. 1744.44
$\times 4.1447 .44$

## Section : English Comprehension

Q. 1 Identify the INCORRECTLY spelt word in the given sentence.

Generousity is a godly feature among many individuals on the earth.
Ans

1. Generousity
2. feature
3. godly
4. individuals

Question ID : 630680420635
Option 1 ID : 6306801640985
Option 2 ID : 6306801640987
Option 3 ID : 6306801640986
Option 4 ID : 6306801640988
Status: Answered
Chosen Option: 3
Q. 2 Select the option that can be used as a one-word substitute for the given group of words.

A doubtful look or examination of one's motives.
Ans
X 1. Introspect
2. Suspect

X 3. Circumspect
4. Retrospect
Q. 3 Select the option that can be used as a one-word substitute for the given group of words.

Vivacious and enthusiastic
Ans
X 1. Introverted
2. Effervescent

X 3. Rowdy
X4. Brazen
Q. 4 Select the option that can be used as a one-word substitute for the given group of words.

Consonance of sounds.
Ans
< 1. Troupe
X 2. Woodwinds
X 3. Orchestration
4. Symphony
Q. 5 Select the option that can be used as a one-word substitute for the given group of words.

Dwarfed varieties of trees and shrubs in pots
Ans
X 1. Bonafide
X 2. Orchard
X 3. Botanical
4. Bonsai
Q. 6 Select the most appropriate option with correct usage of the preposition to substitute the underlined segment in the given sentence.
The Centre of Excellence for Data Analytics (CEDA) provides quality data analytic services to various government departments on all levels as well as to public sector units at the Centre and in states.

Ans $\quad$ 1. various government departments through all levels
2. various government departments from all levels
3. various government departments in all levels
4. various government departments at all levels
Q. 7 Select the most appropriate idiom from the options to replace the underlined segment in the given sentence.
After his business failed, he had to reduce spending and adjust to a frugal lifestyle.
Ans

1. tighten his belt
2. hit the nail on the head

⒊ let the cat out of the bag
4. kick the bucket
Q. 8 Select the most appropriate meaning of the given idiom.

## Black sheep

Ans
X 1. Naive
X 2. Miscreant
3. Disreputable
4. Intelligent
Q. 9 Three segments of the following sentence have been underlined and given as options.

One of them may contain an error. Select the option that contains the error. If you don't find any error, mark 'No error' as your answer.

When my father will come, I will make sure that I discuss the possibilities of a new business venture with him.
Ans

1. No error

X 2. I discuss the possibilities
3. When my father will come

X 4. I will make sure

Question ID : 630680130709
Option 1 ID : 630680506133
Option 2 ID : $\mathbf{6 3 0 6 8 0 5 0 6 1 3 2}$
Option 3 ID : 630680506130
Option 4 ID : 630680506131
Status : Answered
Chosen Option : 4
Q. 10 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'.
This is the group of leaders in whom the ruling_government has placed its trust.
Ans

1. no substitution
2. in who the ruling government
3. with who the ruling government
4. on who the ruling government

Q. 11 Select the most appropriate synonym of the word in brackets to fill in the blank. Emotional stimulation provides the necessary $\qquad$ for creative imagination. (fecundity)
Ans
5. fertility
6. force
7. fulcrum
8. freedom

Question ID : 630680196550
Option 1 ID : 630680762501
Option 2 ID : $\mathbf{6 3 0 6 8 0 7 6 2 4 9 9}$
Option 3 ID : $\mathbf{6 3 0 6 8 0 7 6 2 5 0 0}$
Option 4 ID : $\mathbf{6 3 0 6 8 0 7 6 2 5 0 2}$
Status : Answered
Chosen Option : 4
Q. 12 Select the most appropriate option that can substitute the underlined segment in the given sentence.
During the preparation for competitive exams, Meena avoided going to parties.
Ans
X 1. cracked a joke
2. steered clear of

X 3. fired a cracker
X 4. whispered a secret

Question ID : 630680159217
Option 1 ID : 630680616335
Option 2 ID : $\mathbf{6 3 0 6 8 0 6 1 6 3 3 3}$
Option 3 ID : 630680616332
Option 4 ID : 630680616334
Status: Answered
Chosen Option : $\mathbf{2}$
Q. 13 Select the option that expresses the meaning of the underlined segment.

Partly, it may be a desire to stop emotions in front of strangers.
Ans
X 1. Smash
X 2. Quiet
3. Quell

X4. Put out

Question ID : 630680377990
Option 1 ID: 6306801473020
Option 2 ID : 6306801473022
Option 3 ID : 6306801473019
Option 4 ID : 6306801473021
Status: Answered
Chosen Option : 2
Q. 14 Select the correctly spelt word.

Ans $\times 1$ 1. refridgerator
X 2. litrature
3. registration
4. allegater

Q. 15 Select the sentence that has the correct use of words and spellings from the options given below.
Ans $\quad$ 1. The delicius aroma of freshely baked cookies wafted through the kitchen, making mouths water.
Х 2. The delicious arauma of freshely baked cookes wafted through the kitchen, making mouths water.
3. The delicious aroma of freshly baked cookies wafted through the kitchen, making
mouths water.
X 4. The delicious arauma of freshly baked cookies waftad through the kitchen, making mouths water.
Q. 16 Select the most appropriate ANTONYM of the given word.

Aggravate
Ans
X 1. Exasperate
2. Alleviate

X 3. Humiliate
4. Ignorant

Question ID : 630680517278
Option 1 ID : 6306802021508
Option 2 ID : 6306802021509
Option 3 ID : 6306802021511
Option 4 ID : 6306802021510 Status: Answered
Chosen Option : 2
Q. 17 Select the most appropriate segment to substitute the underlined words in the given sentence.

You have tears, prepare to shed them now.
Ans

1. If you have tears
2. Yet you have tears,
3. Until you have tears
4. Unless you have tears,
Q. 18 Select the INCORRECTLY spelt word.

Ans
X 1. Passage
X 2. Reconsidered
X 3. Prevention
4. Supremecy

Option 1 ID: 6306802022352
Option 2 ID : 6306802022353
Option 3 ID : 6306802022354
Option 4 ID : 6306802022355
Status : Answered
Chosen Option : 4
Q. 19 Select the most appropriate meaning of the given idiom. When pigs fly
Ans $\times 1$. Something that will never last long
X 2. Something that will never deviate
$\times 3$. something that will get completed
4. Something that will never happen

Question ID : 630680517479
Option 1 ID : 6306802022313
Option 2 ID : 6306802022312
Option 3 ID : 6306802022314
Option 4 ID : 6306802022315 Status: Answered

Chosen Option : 4
Q. 20 The following sentence has been divided into four segments. Identify the segment that has a grammatical error.
Soldiers in / the Indian Armed Forces are / trained never to / fight cowardly.
Ans $\times 1$. fight cowardly.
$X$ 2. Soldiers in
$X$ 3. the Indian Armed Forces are

- 4

4. trained never to

Q. 21 Identify the error in the verb form in the following sentence and choose the correct sentence from the given options (Present Tense). The committee work diligently to ensure fair and unbiased decision.
Ans $\quad$ 1. The committee is work diligently to ensure fair and unbiased decision.
5. The committee works diligently to ensure fair and unbiased decision.

X 3. The committee has work diligently to ensure fair and unbiased decision.
4. The committee worked diligently to ensure fair and unbiased decision.

Question ID : 630680415294
Option 1 ID : 6306801619924
Option 2 ID : 6306801619925
Option 3 ID : 6306801619926
Option 4 ID : 6306801619923
Status: Answered
Chosen Option : $\mathbf{2}$
Q. 22 Select the INCORRECTLY spelt word.

Ans $\times 1$. Entrepreneur
2. Supersede
3. Dissapear
4. Vicinity

Question ID : 630680517498
Option 1 ID : 6306802022389
Option 2 ID : 6306802022388
Option 3 ID : 6306802022391
Option 4 ID : 6306802022390
Status: Answered
Chosen Option: $\mathbf{2}$
Q. 23 Select the most appropriate ANTONYM of the underlined word in the following sentence.
The government is proposing to incinerate cattle carcasses at many sites, some of which are in populated areas.
Ans


Q. 24 Based on the situation in the sentence, select the most appropriate idiom for the underlined segment.

He always takes up difficult tasks - those which are beyond his capabilities.
Ans
X 1. Pull someone's leg
2. Bite off more than you can chew

X 3. No pain no gain
X 4. Miss the boat
Q. 25 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'. In yesterday's fire accident, her feets are burnt badly.
Ans
$X$ 1. her feet was
2. her foots were
3. her feet were
4. No substitution
Q. 26 Select the most appropriate option that can substitute the underlined word in the given idiom.
A goose's eye view
Ans
X 1.dog's
$X$ 2. hornet's
X 3.fool's
4. bird's

Q. 27 Select the sentence that uses the given idiom correctly.

Have your head in the clouds
Ans

1. He had his head in the clouds during an important meeting.
$\times 2$. The pilot had his head in the clouds while flying a plane.
2. They had their heads in the clouds by looking up at the sky during a meteor shower.
3. She had her head in the clouds by wearing a cloud-shaped hat.
Q. 28 Select the most appropriate ANTONYM of the underlined word.

The brave knight set out to vanquish the fearsome dragon and protect the kingdom from its menace.

Ans

1. Liberate
2. Measure
3. Engage
4. Instill
Q. 29 Select the option that can be used as a one-word substitute for the given group of words.
The patronage bestowed in consideration of family relationships and not of merit.
Ans
X 1. Egotism
X 2. Mannerism
X 3. Neologism
5. Nepotism

Q. 30 Select the most appropriate meaning of the given idiom.

Sacred cow
Ans
X 1. Interrogate
2. Unquestionable
3. Harmful
4. Hateful

Question ID : 630680297417
Option 1 ID: 6306801157130
Option 2 ID : 6306801157127
Option 3 ID : 6306801157129
Option 4 ID : 6306801157128
Status: Answered
Chosen Option: 3
Q. 31 Parts of the following sentence have been given as options. Select the option that contains a spelling error.
My strength is as the strenght of ten because my heart is pure.
Ans
X 1. my heart is pure
X 2. My strength is
3. as the strenght
4. of ten because
Q. 32 Select the most appropriate ANTONYM of the given word.

Upright
Ans


Question ID : 630680517417
Option 1 ID : 6306802022067
Option 2 ID : 6306802022065
Option 3 ID : 6306802022066
Option 4 ID : 6306802022064
Status: Answered
Q. 33 Select the incorrect form of the verb.

Ans
X 1. struck
X 2. strike
X 3. stricken
4. strucken

Option 1 ID : 630680565363
Option 2 ID : 630680565362
Option 3 ID : 630680565364
Option 4 ID : 630680565365
Status : Answered
Chosen Option : 4
Q. 34 Select the most appropriate ANTONYM of the underlined word.

The arrival of spring brings an ebullient feeling as flowers bloom and the weather warms.
Ans
X 1. Deciduous
X 2. Clamant
3. Rude
4. Weary

Question ID : 630680435615
Option 1 ID : 6306801700391
Option 2 ID : 6306801700390
Option 3 ID : 6306801700392
Option 4 ID : 6306801700389
Q. 35 Select the option that can be used as a one-word substitute for the given group of words.
One who does not believe in God
Ans
X 1. Catholic

Q. 36 Select the most appropriate ANTONYM of the given word. Tight
Ans $\times 1$. Cordial
2. Slack

X 3. Comfortable
X 4. Resilient
Q. 37 Select the most appropriate synonym of the given word. Bind

Ans 1. Secure
X 2. Amuse
X 3. Flourish
4. Disengage

Question ID : 630680310011
Option 1 ID : 6306801206192
Option 2 ID : 6306801206190
Option 3 ID : 6306801206191
Option 4 ID : 6306801206189
Q. 38 Select the option that can be used as a one-word substitute for the given group of words.

A place for storage of arms and ammunition
Ans
X 1 . Mint
2. Arsena

X 3. Monastery
X 4. Scullery

Q. 39 Select the word segment that can substitute the bracketed word segment correctly and complete the sentence meaningfully.

The minister promised to provide free laptops to the public if his (party came in power).
Ans $\quad$ 1. party loses the election
X 2. he loses the election
2. party forms the government
$\times 4$. he comes to a party
Q. 40 Select the most appropriate idiom for the underlined part in the given sentence: Amar was left in a difficult situation by his business partners.
Ans 1. High and dry
2. Hard and fast
3. Head and shoulders above
4. Heart and soul

## 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.
Mowgli is a (1) $\qquad$ character from Rudyard Kipling's classic 'The Jungle Book'.
Raised by wolves in the Indian jungle, Mowgli (2) $\qquad$ thrilling adventures and forms
friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout
the story, he (3) $\qquad$ the challenges of living among both humans and jungle
creatures, all while learning essential life lessons. 'The Jungle Book' continues to
(4) readers of all ages with its (5) $\qquad$ portrayal of Mowgli's
remarkable journey of self-discovery and the beauty of the natural world.
SubQuestion No : 41
Q. 41 Select the most appropriate option to fill in blank number 1.

Ans

1. beloved

X 2. overlooked
X 3. scorned
4. despised

## 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.
Mowgli is a (1) $\qquad$ character from Rudyard Kipling's classic 'The Jungle Book'.
Raised by wolves in the Indian jungle, Mowgli (2) $\qquad$ thrilling adventures and forms
friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3) $\qquad$ the challenges of living among both humans and jungle
creatures, all while learning essential life lessons. 'The Jungle Book' continues to
(4) readers of all ages with its (5) $\qquad$ portrayal of Mowgli's
remarkable journey of self-discovery and the beauty of the natural world.
SubQuestion No : 42
Q. 42 Select the most appropriate option to fill in blank number 2.

Ans
X 1. exaggerates
$X$ 2. enunciates
X 3. excavates
4. experiences

## 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.
Mowgli is a (1) $\qquad$ character from Rudyard Kipling's classic 'The Jungle Book'.
Raised by wolves in the Indian jungle, Mowgli (2) $\qquad$ thrilling adventures and forms
friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3) $\qquad$ the challenges of living among both humans and jungle
creatures, all while learning essential life lessons. 'The Jungle Book' continues to
(4) readers of all ages with its (5) $\qquad$ portrayal of Mowgli's
remarkable journey of self-discovery and the beauty of the natural world.
SubQuestion No : 43
Q. 43 Select the most appropriate option to fill in blank number 3.

Ans


## 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.
Mowgli is a (1) $\qquad$ character from Rudyard Kipling's classic 'The Jungle Book'.
Raised by wolves in the Indian jungle, Mowgli (2) $\qquad$ thrilling adventures and forms
friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3) $\qquad$ the challenges of living among both humans and jungle
creatures, all while learning essential life lessons. 'The Jungle Book' continues to
(4) readers of all ages with its (5) $\qquad$ portrayal of Mowgli's
remarkable journey of self-discovery and the beauty of the natural world.
SubQuestion No : 44
Q. 44 Select the most appropriate option to fill in blank number 4.

Ans
X 1. register
2. captivate

X 3. magnify
X 4. manipulate

## 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.
Mowgli is a (1) $\qquad$ character from Rudyard Kipling's classic 'The Jungle Book'.
Raised by wolves in the Indian jungle, Mowgli (2) $\qquad$ thrilling adventures and forms
friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3) $\qquad$ the challenges of living among both humans and jungle
creatures, all while learning essential life lessons. 'The Jungle Book' continues to
(4) readers of all ages with its (5) $\qquad$ portrayal of Mowgli's
remarkable journey of self-discovery and the beauty of the natural world.
SubQuestion No : 45
Q. 45 Select the most appropriate option to fill in blank number 5.

Ans


## Comprehension:

Read the given passage and answer the questions that follow.
On 3 September 2016, a magnitude 5.8 earthquake struck just northwest of Pawnee, Oklahoma, causing moderate to severe damages in buildings near the epicentre. It was the largest ever recorded in the state.
The Pawnee earthquake followed the dramatic increase of seismic events in the central United States beginning in 2009, associated with the increase of underground wastewater disposal by oil and gas operators. This and other events in the area raised public concerns and led governmental agencies to shut down injection wells and establish new regulations regarding wastewater injections.
While human-caused earthquakes have been documented for more than a century, their increasing number reported worldwide has drawn much scientific, social and political attention. Such earthquakes are related to industrial activities such as mining, construction of water dams, injection of liquids such as waste water and carbon dioxide, and extractions associated with oil and gas exploitation.
With the ever-increasing demand for energy and mineral supplies worldwide, the number of human-caused earthquakes is expected to rise in the upcoming years. Some of the largest and more destructive earthquakes of the past few years have been related to man-made activities, such as the 2008 magnitude 7.9 Wenchuan (China) earthquake and the 2015 magnitude 7.8 Nepal earthquake.
In most of the cases industrial activities do not induce earthquakes. But this becomes problematic when such activities are close to active faults. In this case, even small stresses underground caused by man-made activities can destabilise faults, inducing earthquakes.

SubQuestion No : 46
Q. 46 Select the most suitable word from the passage which means 'create'.

Ans
X 1. Deplete
X 2. Destabilise
$\times$ 3. Seismic
4. Increase


## Comprehension:

Read the given passage and answer the questions that follow.
On 3 September 2016, a magnitude 5.8 earthquake struck just northwest of Pawnee, Oklahoma, causing moderate to severe damages in buildings near the epicentre. It was the largest ever recorded in the state.
The Pawnee earthquake followed the dramatic increase of seismic events in the central United States beginning in 2009, associated with the increase of underground wastewater disposal by oil and gas operators. This and other events in the area raised public concerns and led governmental agencies to shut down injection wells and establish new regulations regarding wastewater injections.
While human-caused earthquakes have been documented for more than a century, their increasing number reported worldwide has drawn much scientific, social and political attention. Such earthquakes are related to industrial activities such as mining, construction of water dams, injection of liquids such as waste water and carbon dioxide, and extractions associated with oil and gas exploitation.
With the ever-increasing demand for energy and mineral supplies worldwide, the number of human-caused earthquakes is expected to rise in the upcoming years. Some of the largest and more destructive earthquakes of the past few years have been related to man-made activities, such as the 2008 magnitude 7.9 Wenchuan (China) earthquake and the 2015 magnitude 7.8 Nepal earthquake.
In most of the cases industrial activities do not induce earthquakes. But this becomes problematic when such activities are close to active faults. In this case, even small stresses underground caused by man-made activities can destabilise faults, inducing earthquakes.

SubQuestion No : 47
Q. 47 What is the tone of the speaker?

Ans
X 1. Dogmatic
X 2. Apologetic
2. Contemptuous

X 4. Cynical


## Comprehension:

Read the given passage and answer the questions that follow.
On 3 September 2016, a magnitude 5.8 earthquake struck just northwest of Pawnee, Oklahoma, causing moderate to severe damages in buildings near the epicentre. It was the largest ever recorded in the state.
The Pawnee earthquake followed the dramatic increase of seismic events in the central United States beginning in 2009, associated with the increase of underground wastewater disposal by oil and gas operators. This and other events in the area raised public concerns and led governmental agencies to shut down injection wells and establish new regulations regarding wastewater injections.
While human-caused earthquakes have been documented for more than a century, their increasing number reported worldwide has drawn much scientific, social and political attention. Such earthquakes are related to industrial activities such as mining, construction of water dams, injection of liquids such as waste water and carbon dioxide, and extractions associated with oil and gas exploitation.
With the ever-increasing demand for energy and mineral supplies worldwide, the number of human-caused earthquakes is expected to rise in the upcoming years. Some of the largest and more destructive earthquakes of the past few years have been related to man-made activities, such as the 2008 magnitude 7.9 Wenchuan (China) earthquake and the 2015 magnitude 7.8 Nepal earthquake.
In most of the cases industrial activities do not induce earthquakes. But this becomes problematic when such activities are close to active faults. In this case, even small stresses underground caused by man-made activities can destabilise faults, inducing earthquakes.

SubQuestion No : 48
Q. 48 Human-caused earthquakes are related to $\qquad$ .
Ans $\quad \times 1$. artificial intelligence
X 2. population explosion
3. industrial activities

X 4.space expedition


## Comprehension:

Read the given passage and answer the questions that follow.
On 3 September 2016, a magnitude 5.8 earthquake struck just northwest of Pawnee, Oklahoma, causing moderate to severe damages in buildings near the epicentre. It was the largest ever recorded in the state.
The Pawnee earthquake followed the dramatic increase of seismic events in the central United States beginning in 2009, associated with the increase of underground wastewater disposal by oil and gas operators. This and other events in the area raised public concerns and led governmental agencies to shut down injection wells and establish new regulations regarding wastewater injections.
While human-caused earthquakes have been documented for more than a century, their increasing number reported worldwide has drawn much scientific, social and political attention. Such earthquakes are related to industrial activities such as mining, construction of water dams, injection of liquids such as waste water and carbon dioxide, and extractions associated with oil and gas exploitation.
With the ever-increasing demand for energy and mineral supplies worldwide, the number of human-caused earthquakes is expected to rise in the upcoming years. Some of the largest and more destructive earthquakes of the past few years have been related to man-made activities, such as the 2008 magnitude 7.9 Wenchuan (China) earthquake and the 2015 magnitude 7.8 Nepal earthquake.
In most of the cases industrial activities do not induce earthquakes. But this becomes problematic when such activities are close to active faults. In this case, even small stresses underground caused by man-made activities can destabilise faults, inducing earthquakes.

SubQuestion No : 49
Q. 49 Identify the most suitable title for the passage.

Ans $\times 1$. Seismic Depression
X 2. How Safe Are We on this Earth?
3. Industrial Threats

X 4. Man Vs Man


## Comprehension:

Read the given passage and answer the questions that follow.
On 3 September 2016, a magnitude 5.8 earthquake struck just northwest of Pawnee, Oklahoma, causing moderate to severe damages in buildings near the epicentre. It was the largest ever recorded in the state.
The Pawnee earthquake followed the dramatic increase of seismic events in the central United States beginning in 2009, associated with the increase of underground wastewater disposal by oil and gas operators. This and other events in the area raised public concerns and led governmental agencies to shut down injection wells and establish new regulations regarding wastewater injections.
While human-caused earthquakes have been documented for more than a century, their increasing number reported worldwide has drawn much scientific, social and political attention. Such earthquakes are related to industrial activities such as mining, construction of water dams, injection of liquids such as waste water and carbon dioxide, and extractions associated with oil and gas exploitation.
With the ever-increasing demand for energy and mineral supplies worldwide, the number of human-caused earthquakes is expected to rise in the upcoming years. Some of the largest and more destructive earthquakes of the past few years have been related to man-made activities, such as the 2008 magnitude 7.9 Wenchuan (China) earthquake and the 2015 magnitude 7.8 Nepal earthquake.
In most of the cases industrial activities do not induce earthquakes. But this becomes problematic when such activities are close to active faults. In this case, even small stresses underground caused by man-made activities can destabilise faults, inducing earthquakes.

SubQuestion No : 50
Q. 50 Why does the passage observe that more human-caused earthquakes are expected?

Ans $\times 1$. It is due to the Greenhouse Effect.
X 2. It is due to the fragility of the earth.
3. It is due to the demand for energy and minerals.

X 4. It is due to the over soil erosion.


