

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

Exam Date	28/06/2024
Exam Time	12:30 PM - 2:30 PM
Subject	SICPO Paper I 2024

Section : General Intelligence and Reasoning

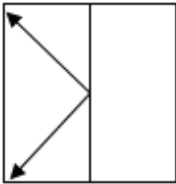
Q.1 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
TRUTH : IVXVY :: SIMPLE : FNSQNY :: AROUND : ?

- Ans**
- ☒ 1. EOVPBSB
 - ☒ 2. EPXSWG
 - ☒ 3. EPXSRA
 - ☒ 4. DNUORA

Q.2 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?

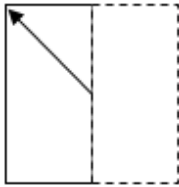
- Ans**
- ☒ 1. OJDDD
 - ☒ 2. OJDED
 - ☒ 3. QJDDF
 - ☒ 4. QHCED

Q.3 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.

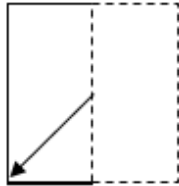


Ans

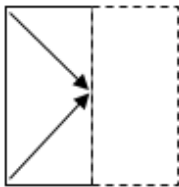
☒ 1.



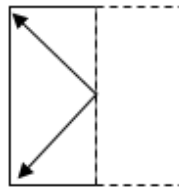
☒ 2.



☒ 3.



☒ 4.



Q.4 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. 26 km

☒ 2. 9 km

☒ 3. 17 km

☒ 4. 12 km

Q.5 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 ☒ 1. 43-24-3-56-7

☒ 2. 36-3-41-24-39

☒ 3. 24-39-4-42-27

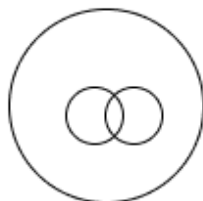
☒ 4. 39-45-24-3-42

Q.6 Select the Venn diagram that best illustrates the relationship between the following classes.

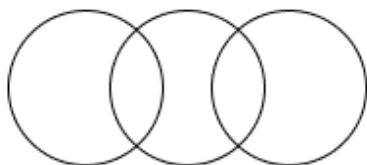
Grapes, Apples, Fruits

Ans

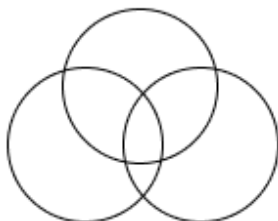
✗ 1.



✗ 2.



✗ 3.



✓ 4.



Q.7 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

✗ 1. FLI

✗ 2. IOL

✗ 3. RXU

✓ 4. MSO

Q.8 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$712 \div 6 - 15 \times 3 + 15 = ?$$

Ans

✓ 1. 4262

✗ 2. 4263

✗ 3. 4265

✗ 4. 4256

Q.9 If 'I' stands for 'x', 'J' stands for '+', 'K' stands for '÷' and 'L' stands for '-', what will come in place of the question mark (?) in the following equation?

$$17 \text{ I } (11 \text{ L } 8 \text{ J } 4) \text{ L } 148 \text{ K } 4 \text{ J } 22 = ?$$

Ans

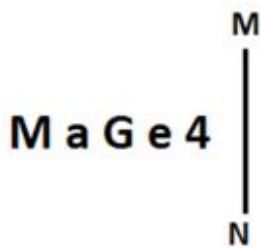
✗ 1. 128

✓ 2. 104

✗ 3. 114

✗ 4. 98

Q.10 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



- Ans
- ☒ 1. e 4 G a M
 - ☒ 2. 4 e G a M
 - ☒ 3. 4 e G a M
 - ☒ 4. M a G e 4

Q.11 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.

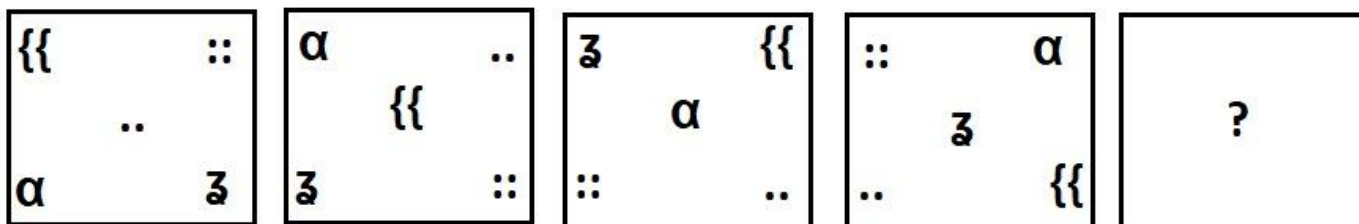
- Ans
- ☒ 1. Neither conclusion I nor II follows
 - ☒ 2. Only conclusion I follows
 - ☒ 3. Only conclusion II follows
 - ☒ 4. Both conclusions I and II follow

Q.12 Which of the following numbers will replace the question mark (?) in the given series?

$-32, -8, -2, ?, -\frac{1}{8}$

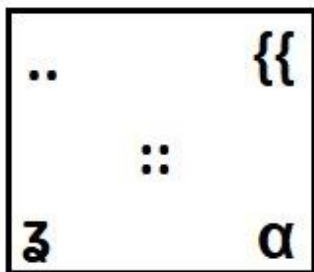
- Ans
- ☒ 1. $-\frac{1}{4}$
 - ☒ 2. -1
 - ☒ 3. -4
 - ☒ 4. $-\frac{1}{2}$

Q.13 Select the figure from among the given options that can logically replace the question mark (?) in the following series.

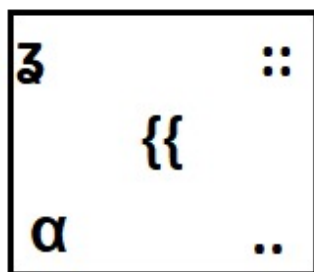


Ans

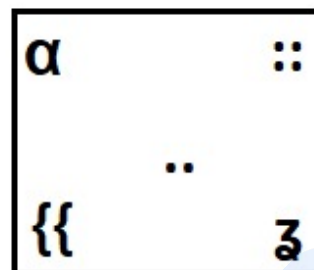
✗ 1.



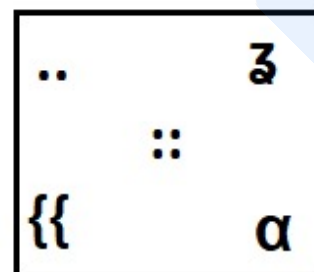
✗ 2.



✗ 3.



✓ 4.



Q.14 Which of the following terms will replace the question mark (?) in the given series?
ADO, DGR, GJU, ?

- Ans
- ✗ 1. LON
 - ✗ 2. JCB
 - ✓ 3. JMX
 - ✗ 4. RCB

Q.15 In a code language, 'ACID' is written as 'XDPE', and 'HAND' is written as 'EBKE'. How will 'ZEST' be written in that language?

- Ans
- ✗ 1. PUWF
 - ✗ 2. WPUF
 - ✗ 3. UWPF
 - ✓ 4. WFPW

Q.16 Which of the following numbers will replace the question mark (?) in the given series?
78, 86, 258, 322, ?

- Ans**
- ☐ 1. 1288
 - ☐ 2. 1360
 - ☐ 3. 1420
 - ☒ 4. 1610

Q.17 20 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. 60
 - ☒ 2. 80
 - ☐ 3. 70
 - ☐ 4. 75

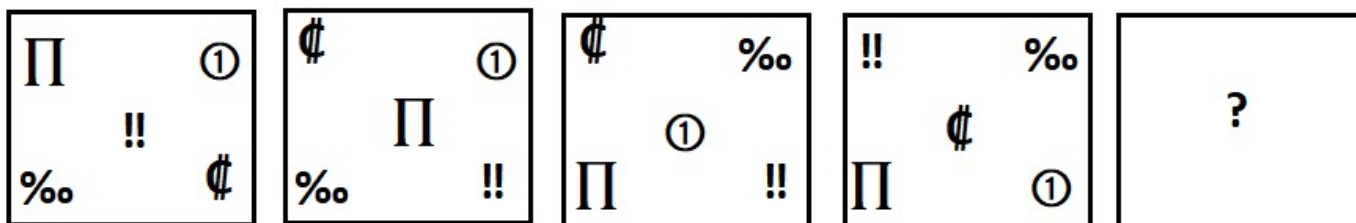
Q.18 Priya starts from point A and drives 9 km towards North. She then takes a right turn, drives 4 km to reach point B. She then turns right, drives 10 km and stops at point C. In which direction is point C with respect to point A?

- Ans**
- ☒ 1. South-east
 - ☐ 2. North-west
 - ☐ 3. South
 - ☐ 4. North-east

Q.19 If + means $\times$, $\times$ means $\div$, $\div$ means $+$, what will be the value of the following expression?
 $20 \times 5 - 7 \div 4 + 3 = ?$

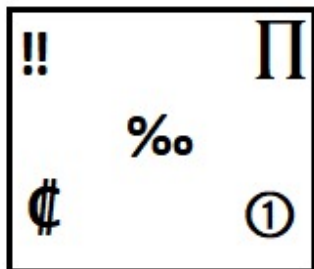
- Ans**
- ☐ 1. 35
 - ☒ 2. 29
 - ☐ 3. 18
 - ☐ 4. 25

Q.20 Select the figure from among the given options that can logically replace the question mark (?) in the following series.

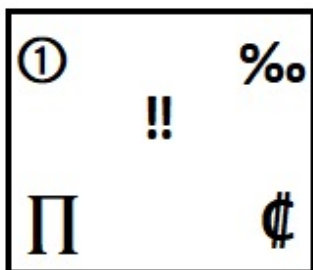


Ans

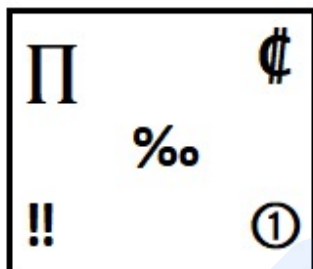
✓ 1.



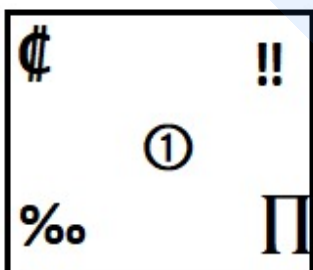
✗ 2.



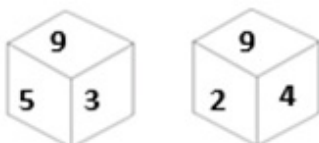
✗ 3.



✗ 4.



Q.21 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

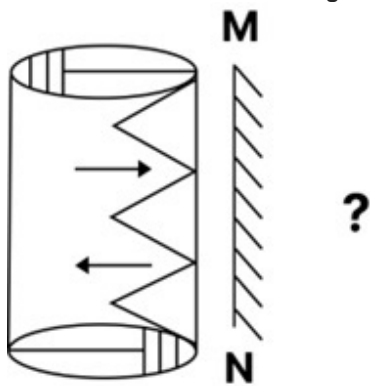
✗ 1. 8

✓ 2. 4

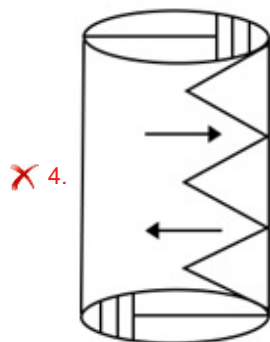
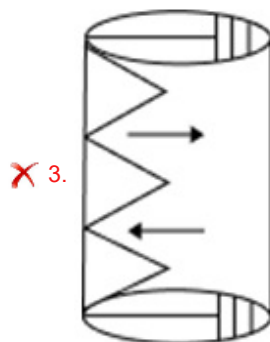
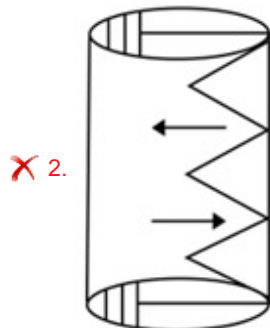
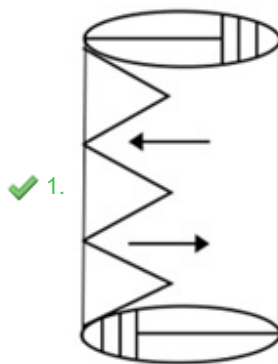
✗ 3. 5

✗ 4. 2

Q.22 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans



Q.23 In a certain code language,

M & N means 'M is the husband of N',

M @ 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'?

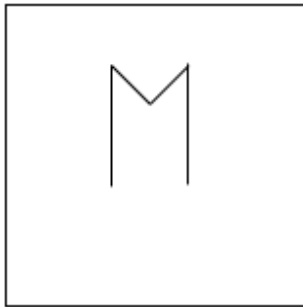
Ans ☒ 1. Mother's father

☒ 2. Father's father

☒ 3. Mother

☒ 4. Sister

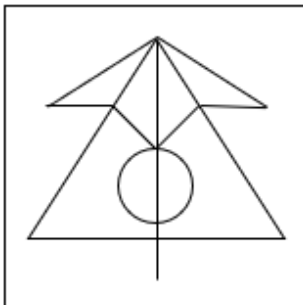
Q.24 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



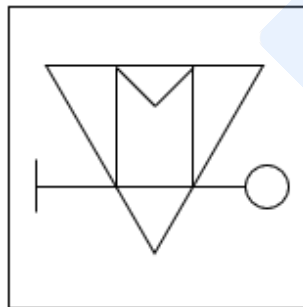
(X)

Ans

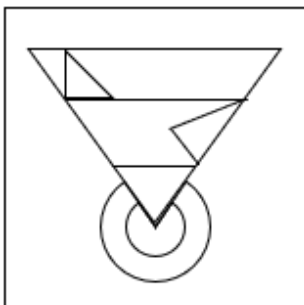
☒ 1.



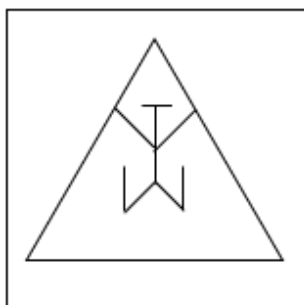
☒ 2.



☒ 3.



☒ 4.



Q.25 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. VKMF
 - ☒ 2. KVMF
 - ☒ 3. VFKM
 - ☒ 4. MVKF

Q.26 If 'A' stands for '÷', 'B' stands for '×', '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. 250
 - ☒ 2. 252
 - ☒ 3. 251
 - ☒ 4. 253

Q.27 What will come in the place of '?' in the following equation, if '+' and '−' are interchanged and also '×' and '÷' are interchanged?
 $47 \div 3 - 126 \times 6 + 18 = ?$

- Ans**
- ☒ 1. 144
 - ☒ 2. 149
 - ☒ 3. 156
 - ☒ 4. 138

Q.28 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**
- ☒ 1. 3 and 7
 - ☒ 2. 71 and 22
 - ☒ 3. 2 and 3
 - ☒ 4. 32 and 22

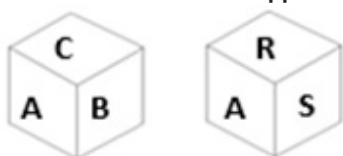
Q.29 J, K, L, M, O and P are sitting around a circular table facing the centre. Both L and M are immediate neighbours of J. Only one person sits between M and P. O sits second to the right of J. O is not an immediate neighbour of L. Who is sitting to the immediate right of K?

- Ans**
- ☒ 1. J
 - ☒ 2. L
 - ☒ 3. P
 - ☒ 4. O

Q.30 Which of the following numbers will replace the question mark (?) in the given series?
324, 361, 400, 441, 484, ?

- Ans**
- ☒ 1. 567
 - ☒ 2. 586
 - ☒ 3. 592
 - ☒ 4. 529

Q.31 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**
- ☒ 1. T
 - ☐ 2. R
 - ☐ 3. S
 - ☐ 4. C

Q.32 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. 6-46-63-38-78
 - ☐ 2. 7-46-65-13-78
 - ☒ 3. 3-66-75-27-78
 - ☐ 4. 5-66-71-29-78

Q.33 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.
23 – 27

- Ans**
- ☐ 1. 11 – 55
 - ☐ 2. 15 – 25
 - ☒ 3. 15 – 45
 - ☐ 4. 11 – 33

Q.34 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**
- ☐ 1. 67
 - ☐ 2. 65
 - ☒ 3. 63
 - ☐ 4. 62

Q.35 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**
- ☐ 1. LHOC
 - ☐ 2. LJOE
 - ☐ 3. IFLB
 - ☒ 4. JHMC

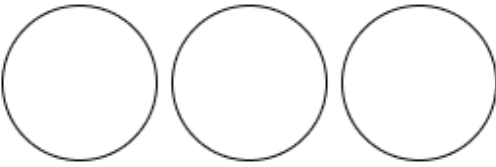
Q.36 Select the Venn diagram that best illustrates the relationship between the following classes.
Tigers, Snakes, Elephants

Ans

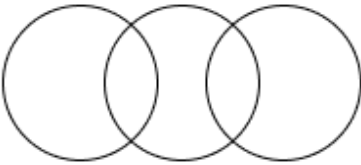
✗ 1.



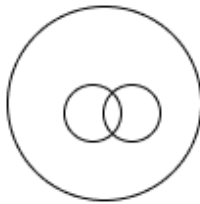
✓ 2.



✗ 3.

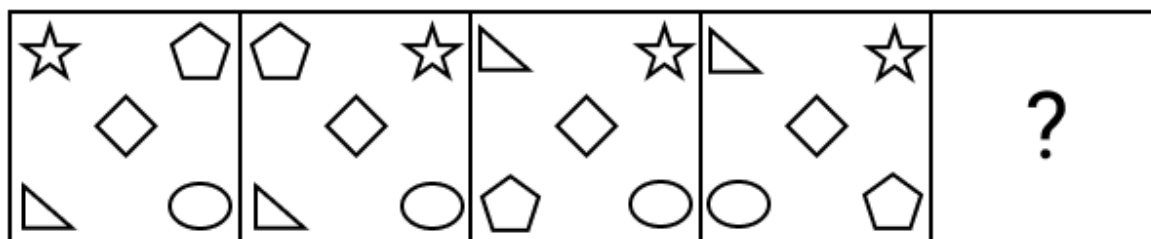


✗ 4.



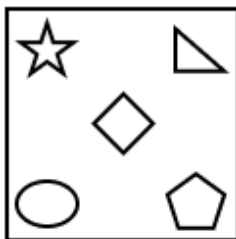
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Q.37 Identify the option figure that when put in place of the question mark (?) will logically complete the series.

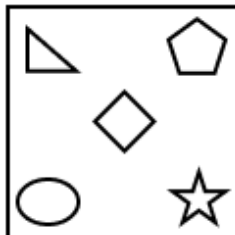


Ans

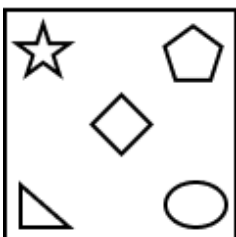
✗ 1.



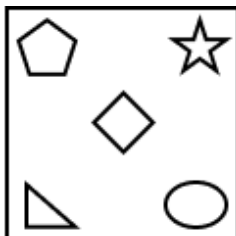
✓ 2.



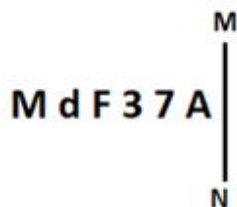
✗ 3.



✗ 4.



Q.38 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans

✗ 1. 7 A ε F b W

✗ 2. A 7 ε ɸ b W

✓ 3. A 7 ε ɸ b M

✗ 4. M ɸ ε 7 A

Q.39 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 ☒ 1. 4, 5, 3, 2, 1

☒ 2. 5, 3, 2, 1, 4

☒ 3. 5, 4, 3, 2, 1

☒ 4. 4, 3, 5, 2, 1

Q.40 In a certain code language,
'A x 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 x P % S – T'?

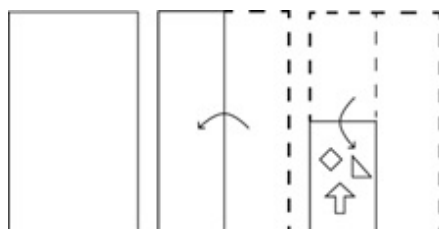
Ans ☒ 1. Wife's father's mother

☒ 2. Brother's wife

☒ 3. Mother's mother

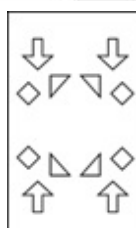
☒ 4. Brother's wife's father's mother

Q.41 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?

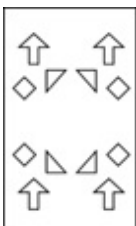


Ans

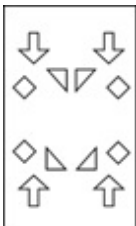
☒ 1.



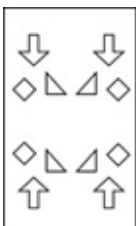
☒ 2.



☒ 3.



☒ 4.



Q.42 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
- ☐ 1. 31
 - ☐ 2. 56
 - ☐ 3. 81
 - ☒ 4. 64

Q.43 Which letter cluster will replace the question mark (?) to complete the given series?
RDLS, VKBF, ?, DYHF, HFXS

- Ans
- ☐ 1. FHWR
 - ☐ 2. ZTTS
 - ☒ 3. ZRRS
 - ☐ 4. KBET

Q.44 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and also 'x' and '÷' are interchanged?

$$53 - 48 \times 6 \div 9 + 11 = ?$$

- Ans
- ☒ 1. 114
 - ☐ 2. 101
 - ☐ 3. 129
 - ☐ 4. 107

Q.45 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. Only conclusion I follows
 - ☐ 2. Both the conclusions follow
 - ☐ 3. Neither conclusion I nor II follows
 - ☒ 4. Only conclusion II follows

Q.46 15 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. 10
 - ☐ 2. 8
 - ☐ 3. 7
 - ☒ 4. 9

Q.47 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)
 - ☐ 2. (48, 53, 38)
 - ☐ 3. (50, 42, 28)
 - ☐ 4. (42, 45, 32)

Q.48 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 ☒ 1. 5, 2, 3, 6, 1, 4
☒ 2. 2, 6, 5, 1, 3, 4
☒ 3. 2, 6, 3, 5, 1, 4
☒ 4. 5, 2, 6, 3, 1, 4

Q.49 Which of the following letter-clusters will replace the question mark (?) in the given series?
ICE, LGJ, OKO, ?

Ans ☒ 1. QPT
☒ 2. ROT
☒ 3. RPT
☒ 4. SPT

Q.50 Select the number from among the given options that can replace the question mark (?) in the following series.
125, 150, 177, 207, 242, ?

Ans ☒ 1. 280
☒ 2. 284
☒ 3. 282
☒ 4. 290

Section : General Knowledge and General Awareness

Q.1 Which of the following books was written by Chitra Banerjee Divakaruni?

Ans ☒ 1. Malgudi Days
☒ 2. The Palace of Illusions
☒ 3. A Fine Balance
☒ 4. The feast of roses

Q.2 Where is the Atal Bihari Vajpayee Institute of Mountaineering and Allied Sports situated?

Ans ☒ 1. Pahalgam, Jammu and Kashmir
☒ 2. Darjeeling, West Bengal
☒ 3. Manali, Himachal Pradesh
☒ 4. Uttar Kashi, Uttarakhand

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

Q.4 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 ☒ 1. Peduncle
☒ 2. Substratum
☒ 3. Hypostome
☒ 4. Trunk

Q.5 Which city has been selected to host Olympics - 2032 by IOC on 21 July 2021?

- Ans**
- ☒ 1. Brisbane
 - ☐ 2. Moscow
 - ☐ 3. New York
 - ☐ 4. Sydney

Q.6 The tendency of an atom or a functional group to attract a shared pair of electrons toward itself, is known as:

- Ans**
- ☒ 1. electronegativity
 - ☐ 2. electron affinity
 - ☐ 3. electro-positivity
 - ☐ 4. electro attraction

Q.7 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. Poompuhar
 - ☐ 2. Udaiyalur
 - ☐ 3. Takkolam
 - ☒ 4. Rameswaram

Q.8 Who received the 67th National Film Award for Best Music Direction?

- Ans**
- ☐ 1. M Jayachandran
 - ☐ 2. A. R. Rahman
 - ☒ 3. Jyeshthoputro
 - ☐ 4. Gopi Sunder

Q.9 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**
- ☐ 1. B and C only
 - ☐ 2. A and C only
 - ☐ 3. A, B and C
 - ☒ 4. A and B only

Q.10 Which Five Year Plan period saw the initiation of the Hill Area Development Programme?

- Ans**
- ☐ 1. Sixth Five Year Plan
 - ☐ 2. Fourth Five Year Plan
 - ☐ 3. Eighth Five Year Plan
 - ☒ 4. Fifth Five Year Plan

Q.11 What was the winning throw of Neeraj Chopra in Tokyo Olympics-2020?

- Ans**
- ☐ 1. 90.00 m
 - ☒ 2. 87.58 m
 - ☐ 3. 80.00 m
 - ☐ 4. 90.58 m

Q.12 Pandit Acchan Maharaj was a Kathak legend of which of the following gharanas?

- Ans**
- ☐ 1. Jaipur
 - ☐ 2. Benaras
 - ☒ 3. Lucknow
 - ☐ 4. Varanasi

Q.13 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
 - ☐ 2. Chinook
 - ☐ 3. Foehn
 - ☐ 4. Bora

Q.14 Identify a muscle responsible for exit of waste material from the body.

- Ans**
- ☐ 1. Rectus
 - ☐ 2. Pectoralis
 - ☒ 3. Sphincter
 - ☐ 4. Gastrocnemius

Q.15 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**
- ☐ 1. 8%
 - ☐ 2. 9%
 - ☐ 3. 5%
 - ☒ 4. 7%

Q.16 Which of the following compounds is an Alicyclic compound?

- Ans**
- ☐ 1. Ethane
 - ☐ 2. Isobutane
 - ☐ 3. Acetic acid
 - ☒ 4. Cyclopropane

Q.17 Who among the following wrote the novel 'Grimus'?

- Ans**
- ☐ 1. Amitav Ghosh
 - ☒ 2. Salman Rushdie
 - ☐ 3. Arvind Adiga
 - ☐ 4. Vikram Seth

Q.18 Which of the following is NOT an agro-based industry?

- Ans**
- ☐ 1. Jute
 - ☒ 2. Fertiliser
 - ☐ 3. Sugar
 - ☐ 4. Edible oil

Q.19 Which of the following is the most traditional mode of entering into the foreign market?

- Ans**
- ☒ 1. Exporting
 - ☐ 2. Undertaking portfolio investment
 - ☐ 3. Mergers and acquisitions
 - ☐ 4. Setting up fully owned manufacturing facilities

Q.20 Who among the following is the pioneer and founder of Kirana Gharana of Hindustani music?

- Ans**
- ☐ 1. Firoz Dastur
 - ☒ 2. Abdul Karim Khan
 - ☐ 3. Bhimsen Joshi
 - ☐ 4. Sawai Gandharva

Q.21 In 2023, the President of which of the following countries was invited as the chief guest at India's Republic Day celebration?

Ans ☒ 1. United States of America

☒ 2. Egypt

☒ 3. Japan

☒ 4. Russia

Q.22 According to Agricultural Statistics at a Glance 2022, Government of India, which state recorded the highest production of Bajra?

Ans ☒ 1. Rajasthan

☒ 2. Haryana

☒ 3. Maharashtra

☒ 4. Madhya Pradesh

Q.23 Which physicist is known to establish the relationship between mechanical work and heat transfer?

Ans ☒ 1. Hermann Helmholtz

☒ 2. John Dalton

☒ 3. James Prescott Joule

☒ 4. William Henry

Q.24 Harshacharita book was written by which of the following writers?

Ans ☒ 1. Vararuchi

☒ 2. Amarasimha

☒ 3. Banabhatta

☒ 4. Harisena

Q.25 Identify an organelle found both in eukaryotic as well as prokaryotic.

Ans ☒ 1. Endosomes

☒ 2. Ribosomes

☒ 3. Lysosomes

☒ 4. Mitochondria

Q.26 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)

☒ 2. Article 164(1)

☒ 3. Article 164(2)

☒ 4. Article 164(4)

Q.27 Which of the following is an open chain organic compound?

Ans ☒ 1. Acetaldehyde

☒ 2. Tetrahydrofuran

☒ 3. Benzene

☒ 4. Toluene

Q.28 How much percentage of Earth's water make up the oceans?

Ans ☒ 1. 57%

☒ 2. 7%

☒ 3. 37%

☒ 4. 97%

Q.29 Assume that the value of the cash reserve ratio is 25%. What will be the value of money multiplier?

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☒ 3. 4
 - ☐ 4. 2

Q.30 The Supreme Court of India consists of _____ judges and Chief Judges of India.

- Ans
- ☐ 1. 30
 - ☐ 2. 35
 - ☐ 3. 28
 - ☒ 4. 33

Q.31 In the IUPAC name of a compound, the _____ indicates the total number of carbon atoms present in the longest carbon chain belonging to the compound.

- Ans
- ☐ 1. Infix
 - ☐ 2. Suffix
 - ☒ 3. Root
 - ☐ 4. Prefix

Q.32 Article 21 is related to which of the following fundamental rights?

- Ans
- ☐ 1. Freedom to Manage Religious Affairs
 - ☐ 2. Protection of Language, Culture of Minorities
 - ☒ 3. Protection of Life and Personal Liberty
 - ☐ 4. Freedom of Speech

Q.33 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
- ☐ 1. Judges of Supreme court
 - ☐ 2. Judges of Lower court
 - ☒ 3. Judges of High court
 - ☐ 4. Judges of District court

Q.34 Which of the following kings of Vijayanagara took the title of 'establisher of the Yavana kingdom'?

- Ans
- ☐ 1. Vira Narasimha Raya
 - ☐ 2. Achyuta Deva Raya
 - ☒ 3. Krishna Deva Raya
 - ☐ 4. Sada Siva Raya

Q.35 The Himalayas have uplifted from which of the following geosynclines?

- Ans
- ☒ 1. Tethys geosynclines
 - ☐ 2. Appalachians geosynclines
 - ☐ 3. Caledonian geosynclines
 - ☐ 4. Aravalli geosynclines

Q.36 Which of the following is a tributary of river Indus?

- Ans
- ☐ 1. Betwa
 - ☐ 2. Lohit
 - ☐ 3. Dibang
 - ☒ 4. Shyok

Q.37 The Sadir dancer R Muthukannammal is the recipient of which of the following awards in the year 2022?

- Ans**
- ☐ 1. Bharat Ratna Award
 - ☒ 2. Padma Shri Award
 - ☐ 3. Padma Vibhushan Award
 - ☐ 4. Padma Bhushan Award

Q.38 In which of the following years, were separate electorates introduced in the Imperial Legislative Assembly elections in the name of Morley- Minto Reforms?

- Ans**
- ☐ 1. Indian Council Act, 1861
 - ☐ 2. Government of India Act, 1935
 - ☒ 3. Indian Council Act, 1909
 - ☐ 4. Government of India Act, 1919

Q.39 Sitara Devi, a doyen of _____ Dance, was hailed as the Queen of Kathak by Rabindranath Tagore.

- Ans**
- ☐ 1. Odissi
 - ☐ 2. Sattriya
 - ☒ 3. Kathak
 - ☐ 4. Manipuri

Q.40 Who won the bronze medal in womens boxing in Tokyo Olympics 2020?

- Ans**
- ☐ 1. Mirabai Chanu
 - ☐ 2. Aditi Ashok
 - ☐ 3. MC Mary Kom
 - ☒ 4. Lovlina Borgohain

Q.41 Mallika Sarabhai is famous for which of the following dances?

- Ans**
- ☐ 1. Sattriya
 - ☐ 2. Kathak
 - ☐ 3. Odissi
 - ☒ 4. Kuchipudi

Q.42 Which of the following acts gave the British Indian government the authority to arrest anyone without a trial?

- Ans**
- ☐ 1. Pitt's India Act
 - ☐ 2. The Indian Slavery Act
 - ☐ 3. The Indian Press Act
 - ☒ 4. The Rowlatt Act

Q.43 What is a population (or subspecies or race) that is adapted to local environmental conditions called?

- Ans**
- ☐ 1. Niche
 - ☒ 2. Ecotype
 - ☐ 3. Prototype
 - ☐ 4. Biome

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 _____.

- Ans**
- ☒ 1. Habeas Corpus
 - ☐ 2. Prohibition
 - ☐ 3. Quo-warranto
 - ☐ 4. Mandamus

Q.45 Taxes like gift tax, wealth tax etc are also referred to as which type of taxes?

- Ans**
- ☐ 1. Rich taxes
 - ☒ 2. Paper taxes
 - ☐ 3. Paperless taxes
 - ☐ 4. Direct taxes

Q.46 Who among the following belongs to Patiala Gharana?

- Ans**
- ☒ 1. Ali Baksh Khan
 - ☐ 2. Nathu Khan
 - ☐ 3. Abdul Wahid Khan
 - ☐ 4. Chhaju Khan

Q.47 Which festival is celebrated by Christians as the birth of Jesus Christ?

- Ans**
- ☒ 1. Christmas
 - ☐ 2. Easter
 - ☐ 3. Eid ul Fitr
 - ☐ 4. Good Friday

Q.48 Identify a conventional source of energy from the following options.

- Ans**
- ☐ 1. Geothermal energy
 - ☐ 2. Atomic energy
 - ☒ 3. Cattle dung
 - ☐ 4. Solar power

Q.49 When was the Prime Minister's Employment Generation Programme (PMEGP) launched?

- Ans**
- ☒ 1. 2008
 - ☐ 2. 2009
 - ☐ 3. 2006
 - ☐ 4. 2012

Q.50 In which year was the Mahatma Gandhi National Rural Employment Guarantee Act passed?

- Ans**
- ☐ 1. 2004
 - ☒ 2. 2005
 - ☐ 3. 2003
 - ☐ 4. 2006

Section : Quantitative Aptitude

Q.1 If $(a - 18)^2 + (b - 12)^2 + (c - 6)^2 = 0$, then find the value of $(a + b + c)^{\frac{1}{2}}$.

- Ans**
- ☐ 1. ± 3
 - ☒ 2. ± 6
 - ☐ 3. ± 4
 - ☐ 4. ± 2

Q.2 The below table shows the number of trees of 3 different fruits, planted during 2018-2022. 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. 15%
 - ☒ 2. 17.5%
 - ☒ 3. 30%
 - ☒ 4. 23.08%

Q.3 A person covers 11 km with a speed of 7 km/h, 25 km with a speed of 10 km/h and 30 km with a speed of 20 km/h. What is the average speed of the person?

- Ans
- ☒ 1. $11\frac{7}{13}$ km/h
 - ☒ 2. $11\frac{11}{13}$ km/h
 - ☒ 3. $11\frac{10}{13}$ km/h
 - ☒ 4. $11\frac{9}{13}$ km/h

Q.4 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
- ☒ 1. $8\sqrt{2}$
 - ☒ 2. $2\sqrt{2}$
 - ☒ 3. $4\sqrt{2}$
 - ☒ 4. $6\sqrt{2}$

Q.5 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**
- ☐ 1. 78.20%
 - ☐ 2. 76.25%
 - ☐ 3. 82.39%
 - ☒ 4. 74.19%

Q.6 A cylinder has a radius of 7 cm and the area of its curved surface is 396 cm^2 . The volume of the cylinder is:

- Ans**
- ☐ 1. 1396 cm^3
 - ☐ 2. 1381 cm^3
 - ☒ 3. 1386 cm^3
 - ☐ 4. 1391 cm^3

Q.7 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**
- ☐ 1. 3.03% less
 - ☒ 2. 4.04% more
 - ☐ 3. 4.04% less
 - ☐ 4. 3.03% more

Q.8 A cylinder of radius 7 cm has a curved surface area of 2200 cm^2 . Find its total surface area. (Use $\pi = \frac{22}{7}$)

- Ans**
- ☒ 1. 2508 cm^2
 - ☐ 2. 2260 cm^2
 - ☐ 3. 2550 cm^2
 - ☐ 4. 1580 cm^2

- Q.9** 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**
- ☒ 1. 5:7
 - ☒ 2. 7:5
 - ☒ 3. 7:9
 - ☒ 4. 9:7

- Q.10** If $x - y = 25$ and $xy = 444$, compute the value of $x^3 - y^3$.

- Ans**
- ☒ 1. 48,925
 - ☒ 2. 42,985
 - ☒ 3. 28,495
 - ☒ 4. 26,725

- Q.11** 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**
- ☒ 1. b, a, d and c, in the order given are in proportion.
 - ☒ 2. c, d, b and a, in the order given are in proportion.
 - ☒ 3. d, c, b and a, in the order given are in proportion.
 - ☒ 4. a, c, b and d, in the order given are in proportion.

- Q.12** 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**
- ☒ 1. B would have won by 8%
 - ☒ 2. B would have won by 3%
 - ☒ 3. A would have won by 3%
 - ☒ 4. A would have won by 8%

Q.13

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
- ☒ 1. 1898
 - ☒ 2. 1998
 - ☒ 3. 1658
 - ☒ 4. 1785

Q.14

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
- ☒ 1. 80%
 - ☒ 2. 50%
 - ☒ 3. 60%
 - ☒ 4. 70%

Q.15 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
- ☒ 1. $3\frac{1}{2}$
 - ☒ 2. $2\frac{1}{2}$
 - ☒ 3. $5\frac{1}{2}$
 - ☒ 4. $2\frac{6}{7}$

Q.16 Shiya invests ₹1,53,000, which is 30% of her annual income, in mutual funds. What is her monthly income (in ₹)?

- Ans
- ☒ 1. 52,300
 - ☒ 2. 45,800
 - ☒ 3. 42,500
 - ☒ 4. 55,600

Q.17 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
- ☒ 1. 24
 - ☐ 2. $4\sqrt{15}$
 - ☐ 3. $\frac{8}{\sqrt{15}}$
 - ☐ 4. 8

Q.18 If $\tan \theta + \cot \theta = 6$, then the value of $\tan^2 \theta + \cot^2 \theta$ is ____.

- Ans
- ☐ 1. 24
 - ☒ 2. 34
 - ☐ 3. 20
 - ☐ 4. 22

Q.19 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 ₹_____.

- Ans
- ☐ 1. 1447.44
 - ☐ 2. 1777.44
 - ☒ 3. 1744.44
 - ☐ 4. 1774.44

Q.20 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
- ☐ 1. 506.25%
 - ☐ 2. 509.54%
 - ☐ 3. 409.76%
 - ☒ 4. 406.25%

Q.21 Simplify the given expression.

$$[(9 \times 81 + (142 \div 2)) + 350 - 155 + 5] \div [(25 \times 25) - 125]$$

- Ans
- ☐ 1. -1
 - ☒ 2. 2
 - ☐ 3. -2
 - ☐ 4. 1

Q.22 The value of $66 \div [34 - (32 \text{ of } 2 - 4) \div (4 \times 15)]$ is equal to:

- Ans
- ☒ 1. 2
 - ☐ 2. 1
 - ☐ 3. 0
 - ☐ 4. 3

Q.23 The area of a sector of a circle having radius 14 cm is 231 cm^2 . Find the degree measure of the corresponding central angle.
(Use $\pi = \frac{22}{7}$)

- Ans**
- ☐ 1. 125°
 - ☐ 2. 150°
 - ☐ 3. 140°
 - ☒ 4. 135°

Q.24 A man travels 1200 km by train at 80 km/h, 1600 km by ship at 40 km/h, 1000 km by plane at 400 km/h, and 200 km by car at 50 km/h. What is the average speed for the entire distance? (rounded off to 2 decimal places)

- Ans**
- ☐ 1. 75.40 km/h
 - ☐ 2. 68.14 km/h
 - ☐ 3. 72.40 km/h
 - ☒ 4. 65.04 km/h

Q.25 Simplify $(4 + 4) \times (4 \div 4) \times (4 \times 4)$.

- Ans**
- ☐ 1. 144
 - ☐ 2. 130
 - ☒ 3. 128
 - ☐ 4. 124

Q.26 A shopkeeper gives a discount of 12% on the purchase of 10 kg of sugar. The cost price of the sugar is ₹30/kg, and the marked price is ₹38/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. 30.18%
 - ☐ 2. 12.5%
 - ☐ 3. 22.25%
 - ☒ 4. 23.85%

Q.27 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**
- ☒ 1. 30
 - ☐ 2. 32
 - ☐ 3. 36
 - ☐ 4. 34

Q.28 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 km/h. Another rider starts from Q towards P at 12 noon on the same day at the speed of 20 km/h. At what time will they cross each other?

- Ans**
- ☐ 1. 3:00 p.m.
 - ☒ 2. 5:00 p.m.
 - ☐ 3. 1:15 p.m.
 - ☐ 4. 4:30 p.m.

Q.29 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. 5 days
 - ☐ 2. 7 days
 - ☐ 3. 6 days
 - ☒ 4. 3 days

Q.30 If $855 \div 15 - k + 32 \times 5 = 1152 \div 16 \times 111 \div 37$, then the value of k is:

- Ans
- ☐ 1. 2
 - ☒ 2. 1
 - ☐ 3. 0
 - ☐ 4. 3

Q.31 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
- ☒ 1. 80.41
 - ☐ 2. 46.29
 - ☐ 3. 53.25
 - ☐ 4. 70.25

Q.32 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
- ☐ 1. 13.68 cm
 - ☐ 2. 14.68 cm
 - ☐ 3. 16.68 cm
 - ☒ 4. 15.68 cm

Q.33 $(1 - \cos^2 A) \sec^2 A$ is equal to:

- Ans
- ☐ 1. $\cos^2 A \cot^2 A$
 - ☒ 2. $\tan^2 A$
 - ☐ 3. $\cot^2 A$
 - ☐ 4. $\operatorname{cosec}^2 A$

Q.34 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
- ☒ 1. 17640
 - ☐ 2. 17000
 - ☐ 3. 17700
 - ☐ 4. 17600

Q.35 The distance (d) a moving body travels, varies directly with the time (t) when it moves. A train travels 72 km in 2 hours. Find the equation that relates d and t.

- Ans
- ☐ 1. $d = t + 36$
 - ☐ 2. $d = t - 36$
 - ☒ 3. $d = 36t$
 - ☐ 4. $d = \frac{t}{36}$

Q.36 Simplify the given expression.

$$1000 \times 100 - 1000 + 4000 \div 200$$

- Ans
- ☐ 1. 99235
 - ☐ 2. 99980
 - ☒ 3. 99020
 - ☐ 4. 99999

Q.37 What is the length (in cm) of chord PQ in a circle with a radius of 7 cm, where a diameter AB and non-diameter chord PQ intersect perpendicularly at point C, and the ratio of AC to BC is 4 : 3?

- Ans
- ☒ 1. $4\sqrt{3}$
 - ☒ 2. $8\sqrt{3}$
 - ☒ 3. $2\sqrt{3}$
 - ☒ 4. $6\sqrt{3}$

Q.38 Applied to a bill for ₹1000, what is the difference between a discount of 40% and two successive discounts of 36% and 4%?

- Ans
- ☒ 1. ₹154
 - ☒ 2. ₹144
 - ☒ 3. ₹15.40
 - ☒ 4. ₹14.40

Q.39 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
- ☒ 1. 89%
 - ☒ 2. 85%
 - ☒ 3. 87%
 - ☒ 4. 92%

Q.40 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
- ☒ 1. 67.5
 - ☒ 2. 69
 - ☒ 3. 68
 - ☒ 4. 67.2

Q.41 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
- ☒ 1. 77.2305
 - ☒ 2. 64.2305
 - ☒ 3. 62.2305
 - ☒ 4. 6.42305

Q.42 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

- ☐ 1. $4\frac{5}{19}\%$
- ☐ 2. $6\frac{5}{19}\%$
- ☒ 3. $5\frac{5}{19}\%$
- ☐ 4. $7\frac{5}{19}\%$

Q.43 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. 14
- ☒ 2. 13
- ☐ 3. 15
- ☐ 4. 12

Q.44 Simplify the following expression.

$$(6 + 6 \text{ of } 5 \div 5) \div 6 \text{ of } 5 + (24 \div 2 \text{ of } 3 - 6 \text{ of } 5 + 4)$$

Ans

- ☐ 1. $-26\frac{2}{5}$
- ☐ 2. $-17\frac{2}{5}$
- ☒ 3. $-21\frac{3}{5}$
- ☐ 4. $-23\frac{1}{5}$

Q.45 If the three sides of a triangle are 12, 22 and m units, then which of the following is correct?

Ans

- ☐ 1. $10 \leq m \leq 34$
- ☒ 2. $10 < m < 34$
- ☐ 3. $10 \leq m < 34$
- ☐ 4. $10 < m \leq 34$

Q.46 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

- ☐ 1. 2500
- ☒ 2. 3000
- ☐ 3. 4580
- ☐ 4. 3240

Q.47 If $\sin x + \cos x = \sqrt{2} \sin x$, then the value of $\sin x - \cos x$ is:

Ans

- ☐ 1. $\sqrt{2} \sin x$
- ☐ 2. $2 \sin x$
- ☐ 3. $-\sqrt{2} \cos x$
- ☒ 4. $\sqrt{2} \cos x$

Q.48 A spherical box has surface area 528 cm^2 . Find the radius of the spherical box.

- Ans
- ☐ 1. $\sqrt{37} \text{ cm}$
 - ☒ 2. $\sqrt{42} \text{ cm}$
 - ☐ 3. $\sqrt{29} \text{ cm}$
 - ☐ 4. $\sqrt{35} \text{ cm}$

Q.49 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 Employees	Percentage of Female Employees	Percentage of Male 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
- ☐ 1. 80.95%
 - ☐ 2. 80.84%
 - ☒ 3. 91.95%
 - ☐ 4. 90.86%

Q.50 Find the simplified value of $5055 - (1002 \div 20.04)$.

- Ans
- ☐ 1. 4050
 - ☒ 2. 5005
 - ☐ 3. 50.05
 - ☐ 4. 5050

Section : English Comprehension

Q.1 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Supremecy
 - ☐ 2. Prevention
 - ☐ 3. Reconsidered
 - ☐ 4. Passage

Q.2 Select the sentence that uses the given idiom correctly.

Have your head in the clouds

- Ans**
- ☒ 1. They had their heads in the clouds by looking up at the sky during a meteor shower.
 - ☒ 2. The pilot had his head in the clouds while flying a plane.
 - ☒ 3. He had his head in the clouds during an important meeting.
 - ☒ 4. She had her head in the clouds by wearing a cloud-shaped hat.

Q.3 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. I will make sure
 - ☒ 2. No error
 - ☒ 3. When my father will come
 - ☒ 4. I discuss the possibilities

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. Orchestration
 - ☒ 2. Woodwinds
 - ☒ 3. Symphony
 - ☒ 4. Troupe

Q.5 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**
- ☒ 1. Weary
 - ☒ 2. Clamant
 - ☒ 3. Deciduous
 - ☒ 4. Rude

Q.6 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**
- ☒ 1. Quell
 - ☒ 2. Put out
 - ☒ 3. Smash
 - ☒ 4. Quiet

Q.7 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**
- ☒ 1. her feet was
 - ☒ 2. her feet were
 - ☒ 3. her foots were
 - ☒ 4. No substitution

Q.8 Select the most appropriate **ANTONYM** of the given word.

Upright

- Ans**
- ☒ 1. Ethical
 - ☒ 2. Stout
 - ☒ 3. Brave
 - ☒ 4. Immoral

Q.9 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**
- ☒ 1. Bite off more than you can chew
 - ☐ 2. Pull someone's leg
 - ☐ 3. No pain no gain
 - ☐ 4. Miss the boat

Q.10 Identify the **INCORRECTLY** spelt word in the given sentence.
Generosity is a godly feature among many individuals on the earth.

- Ans**
- ☐ 1. godly
 - ☒ 2. Generosity
 - ☐ 3. individuals
 - ☐ 4. feature

Q.11 Select the **INCORRECTLY** spelt word.

- Ans**
- ☐ 1. Supersede
 - ☐ 2. Vicinity
 - ☐ 3. Entrepreneur
 - ☒ 4. Dissapear

Q.12 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**
- ☐ 1. Combust
 - ☐ 2. Blaze
 - ☒ 3. Extinguish
 - ☐ 4. Oxidise

Q.13 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**
- ☒ 1. various government departments at all levels
 - ☐ 2. various government departments from all levels
 - ☐ 3. various government departments in all levels
 - ☐ 4. various government departments through all levels

Q.14 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. let the cat out of the bag
 - ☐ 2. hit the nail on the head
 - ☐ 3. kick the bucket
 - ☒ 4. tighten his belt

Q.15 Select the most appropriate option that can substitute the underlined word in the given idiom.
A goose's eye view

- Ans**
- ☒ 1. bird's
 - ☐ 2. hornet's
 - ☐ 3. fool's
 - ☐ 4. dog's

Q.16 Select the most appropriate meaning of the given idiom.
When pigs fly

- Ans**
- ☒ 1. Something that will never happen
 - ☐ 2. Something that will never deviate
 - ☐ 3. something that will get completed
 - ☐ 4. Something that will never last long

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. Until you have tears
 - ☐ 2. Yet you have tears,
 - ☐ 3. Unless you have tears,
 - ☒ 4. If you have tears,

Q.18 Select the most appropriate synonym of the given word.
Bind

- Ans**
- ☐ 1. Flourish
 - ☒ 2. Secure
 - ☐ 3. Disengage
 - ☐ 4. Amuse

Q.19 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**
- ☐ 1. Introspect
 - ☒ 2. Suspect
 - ☐ 3. Circumspect
 - ☐ 4. Retrospect

Q.20 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**
- ☒ 1. Atheist
 - ☐ 2. Priest
 - ☐ 3. Catholic
 - ☐ 4. Reverent

Q.21 Select the sentence that has the correct use of words and spellings from the options given below.

- Ans**
- ☐ 1. The delicious araura of freshly baked cookies waftad through the kitchen, making mouths water.
 - ☐ 2. The delicious araura 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.
 - ☐ 4. The delicius aroma of freshely baked cookies wafted through the kitchen, making mouths water.

Q.22 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**
- ☐ 1. fight cowardly.
 - ☐ 2. the Indian Armed Forces are
 - ☒ 3. trained never to
 - ☐ 4. Soldiers in

Q.23 Select the most appropriate ANTONYM of the given word.
Aggravate

- Ans**
- ☒ 1. Humiliate
 - ☒ 2. Alleviate
 - ☒ 3. Ignorant
 - ☒ 4. Exasperate

Q.24 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. Engage
 - ☒ 2. Instill
 - ☒ 3. Measure
 - ☒ 4. Liberate

Q.25 Select the most appropriate synonym of the word in brackets to fill in the blank.
Emotional stimulation provides the necessary _____ for creative imagination. (fecundity)

- Ans**
- ☒ 1. freedom
 - ☒ 2. fertility
 - ☒ 3. fulcrum
 - ☒ 4. force

Q.26 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**
- ☒ 1. he loses the election
 - ☒ 2. party loses the election
 - ☒ 3. party forms the government
 - ☒ 4. he comes to a party

Q.27 Select the most appropriate meaning of the given idiom.

Sacred cow

- Ans**
- ☒ 1. Unquestionable
 - ☒ 2. Interrogate
 - ☒ 3. Hateful
 - ☒ 4. Harmful

Q.28 Select the option that can be used as a one-word substitute for the given group of words.

Vivacious and enthusiastic

- Ans**
- ☒ 1. Introverted
 - ☒ 2. Brazen
 - ☒ 3. Rowdy
 - ☒ 4. Effervescent

Q.29 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**
- ☒ 1. Bonafide
 - ☒ 2. Bonsai
 - ☒ 3. Orchard
 - ☒ 4. Botanical

Q.30 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. on who the ruling government
 - ☐ 4. with who the ruling government

Q.31 Select the correctly spelt word.

- Ans**
- ☒ 1. registration
 - ☐ 2. refridgerator
 - ☐ 3. litrature
 - ☐ 4. allegater

Q.32 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**
- ☐ 1. my heart is pure
 - ☒ 2. as the strenght
 - ☐ 3. of ten because
 - ☐ 4. My strength is

Q.33 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**
- ☒ 1. steered clear of
 - ☐ 2. cracked a joke
 - ☐ 3. fired a cracker
 - ☐ 4. whispered a secret

Q.34 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**
- ☐ 1. Egotism
 - ☐ 2. Neologism
 - ☐ 3. Mannerism
 - ☒ 4. Nepotism

Q.35 Select the incorrect form of the verb.

- Ans**
- ☐ 1. stricken
 - ☒ 2. strucken
 - ☐ 3. strike
 - ☐ 4. struck

Q.36 Select the most appropriate ANTONYM of the given word.
Tight

- Ans**
- ☐ 1. Resilient
 - ☐ 2. Cordial
 - ☐ 3. Comfortable
 - ☒ 4. Slack

Q.37 Select the most appropriate meaning of the given idiom.

Black sheep

- Ans**
- ☒ 1. Disreputable
 - ☐ 2. Miscreant
 - ☐ 3. Intelligent
 - ☐ 4. Naive

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**
- ☐ 1. Mint
 - ☐ 2. Monastery
 - ☐ 3. Scullery
 - ☒ 4. Arsenal

Q.39 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**
- ☐ 1. The committee is work diligently to ensure fair and unbiased decision.
 - ☐ 2. The committee worked diligently to ensure fair and unbiased decision.
 - ☐ 3. The committee has work diligently to ensure fair and unbiased decision.
 - ☒ 4. The committee works diligently to ensure fair and unbiased decision.

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. Heart and soul
 - ☐ 2. Hard and fast
 - ☒ 3. High and dry
 - ☐ 4. Head and shoulders above

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)_____ character from Rudyard Kipling's classic 'The Jungle Book'. Raised by wolves in the Indian jungle, Mowgli (2)_____ thrilling adventures and forms friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3)_____ 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)_____ 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. despised
 - ☐ 2. overlooked
 - ☒ 3. beloved
 - ☐ 4. scorned

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)_____ character from Rudyard Kipling's classic 'The Jungle Book'. Raised by wolves in the Indian jungle, Mowgli (2)_____ thrilling adventures and forms friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3)_____ 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)_____ 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
- ☒ 1. exaggerates
 - ☒ 2. excavates
 - ☒ 3. experiences
 - ☒ 4. enunciates

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)_____ character from Rudyard Kipling's classic 'The Jungle Book'. Raised by wolves in the Indian jungle, Mowgli (2)_____ thrilling adventures and forms friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3)_____ 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)_____ 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
- ☒ 1. procures
 - ☒ 2. customises
 - ☒ 3. navigates
 - ☒ 4. coordinates

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)_____ character from Rudyard Kipling's classic 'The Jungle Book'. Raised by wolves in the Indian jungle, Mowgli (2)_____ thrilling adventures and forms friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3)_____ 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)_____ 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
- ☒ 1. captivate
 - ☒ 2. manipulate
 - ☒ 3. magnify
 - ☒ 4. register

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)_____ character from Rudyard Kipling's classic 'The Jungle Book'. Raised by wolves in the Indian jungle, Mowgli (2)_____ thrilling adventures and forms friendships with various animals, like Bagheera the panther and Baloo the bear. Throughout the story, he (3)_____ 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)_____ 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
- ☒ 1. ordinary
 - ☒ 2. enchanting
 - ☒ 3. abnormal
 - ☒ 4. surprising

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 Human-caused earthquakes are related to _____ .

- Ans**
- ☒ 1. population explosion
 - ☒ 2. artificial intelligence
 - ☒ 3. space expedition
 - ☒ 4. industrial activities

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 Select the most suitable word from the passage which means 'create'.

- Ans**
- ☒ 1. Destabilise
 - ☒ 2. Increase
 - ☒ 3. Deplete
 - ☒ 4. Seismic

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 Identify the most suitable title for the passage.

Ans ☒ 1. Man Vs Man

☒ 2. How Safe Are We on this Earth?

☒ 3. Seismic Depression

☒ 4. Industrial Threats

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 Why does the passage observe that more human-caused earthquakes are expected?

Ans ☒ 1. It is due to the fragility of the earth.

☒ 2. It is due to the demand for energy and minerals.

☒ 3. It is due to the Greenhouse Effect.

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

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 What is the tone of the speaker?

Ans ✓ 1. Contemptuous

✗ 2. Cynical

✗ 3. Apologetic

✗ 4. Dogmatic

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