# Sub Inspector in Delhi Police and Central Armed Police Forces Examination 2024 Paper I Exam
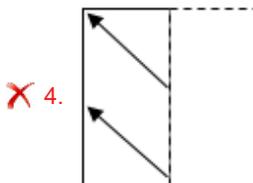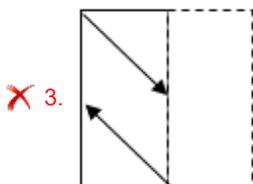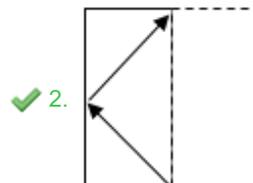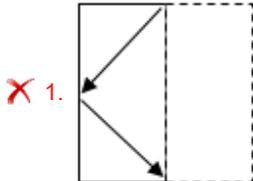
Exam Date	29/06/2024
Exam Time	4:00 PM - 6:00 PM
Subject	SICPO Paper I 2024

Section : **General Intelligence and Reasoning**

Q.1 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.
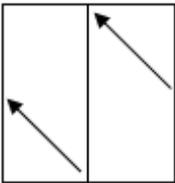
Q.2 Six students - P, Q, R, S T and U - are sitting around a circular table, facing the centre.
Q is sitting second to the left of U.
T is sitting third to the right of P.
P is the immediate neighbour of Q and U.
S is not the neighbour of U. Who among the following is the neighbour of both U and T?

Ans ✗ 1. Q

✗ 2. S

✔ 3. R

✗ 4. P

Q.3 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
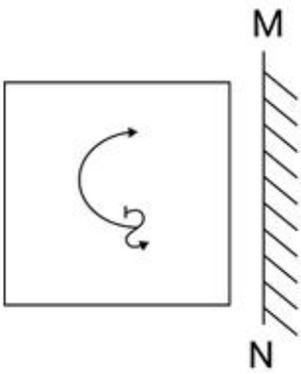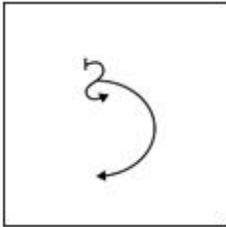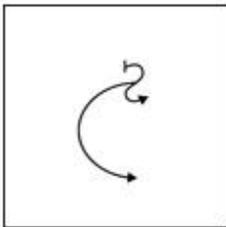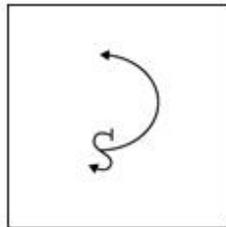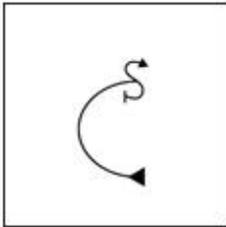
Q.4 The sequence of folding a paper and the manner in which the folded paper is cut is shown in the following figures. How would this paper look when unfolded?

Ans

X 1.

✓ 2.

X 3.
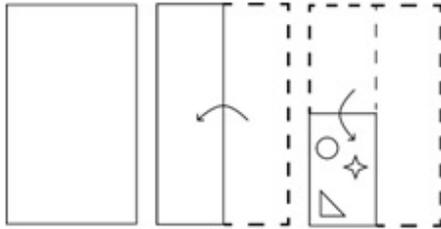
X 4.

Q.5 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.
ABIDE : GFKDC :: CHARM : OTCJE :: BLOOM : ?

Ans
✓ 1. OQQND

X 2. OPQND

X 3. DNQQO

X 4. OQQDN

Q.6 Which letter cluster will replace the question mark (?) to complete the given series?
TEKS, YLBD, ?, IZJZ, NGAK

Ans
✓ 1. DSSO

X 2. JKDO

X 3. DXTO

X 4. FGCW

Q.7 Select the figure from among the given options that can logically replace the question mark (?) in the following series.

μ % # X !	X # μ ! %	! μ X % #	% X ! # μ	?

Ans

✘ 1.
```
#        %
    μ
X        !
```

✔ 2.
```
#        !
    %
μ        X
```

✘ 3.
```
!        #
    %
μ        X
```

✘ 4.
```
μ        X
    #
%        !
```
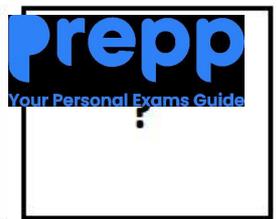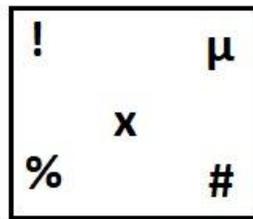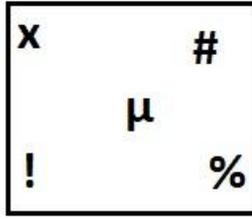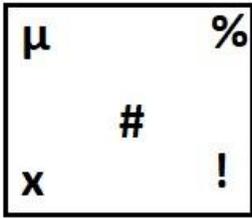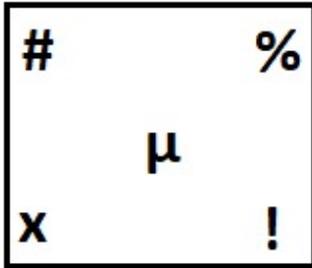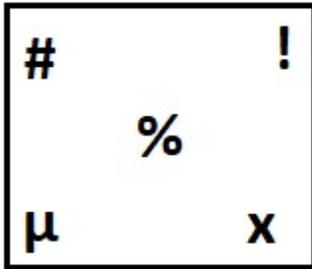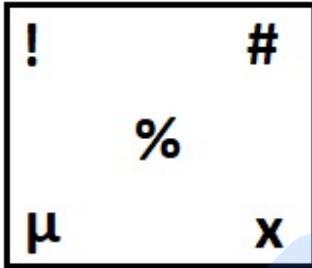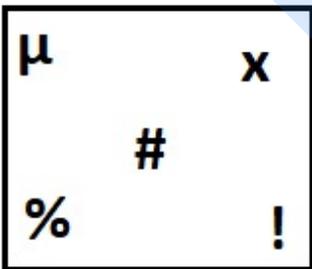
Q.8 Select the option that indicates the correct arrangement of the given words in the order in which they appear in an English dictionary.
1- Junction
2- Jupiter
3- Jungle
4- Jump
5- Juncture

Ans   ✔ 1. 4, 1, 5, 3, 2

✘ 2. 4, 5, 1, 3, 2

✘ 3. 1, 5, 4, 2, 3

✘ 4. 1, 5, 3, 2, 4

Q.9 In a certain code language, 'BYE' is written as '32' and 'ANGER' is written as '45'. How will 'LOVE' be written in that language?

Ans
- ✓ 1. 54
- ✗ 2. 46
- ✗ 3. 39
- ✗ 4. 37

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

M

Y h 4 g 7 b

N
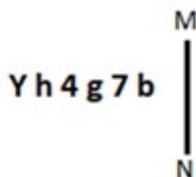
Ans
- ✓ 1. d⌐ℨ4ᴤY
- ✗ 2. d⌐ℨ4hY
- ✗ 3. d⌐ℨ4ᴤY
- ✗ 4. d⌐g4ᴤY

Q.11 In a code language, 'KIRAT' is coded as 50-40-85-0-95 and 'WASIM' is coded as 110-0-90-40-60. How will 'MRINAL' be coded in the same language?

Ans
- ✗ 1. 85-40-50-75-0-65
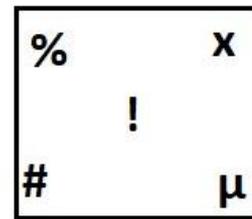- ✗ 2. 75-50-60-55-0-65
- ✓ 3. 60-85-40-65-0-55
- ✗ 4. 55-60-45-65-0-85

Q.12 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 carroms are ludos.
All ludos are scrabbles.
Conclusions:
I. Some carroms are not scrabbles.
II. Some scrabbles are carroms.

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

Q.13 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.
50 – 130

Ans
- ✓ 1. 60 – 120
- ✗ 2. 30 – 80
- ✗ 3. 75 – 110
- ✗ 4. 35 – 120

Q.14 In a code language, 'TREE' is written as 'WSHF', and 'BALL' is written as 'EBOM'. How will 'WALL' be written in that language?

Ans
- ✗ 1. ZOMB
- ✗ 2. OZBM
- ✓ 3. ZBOM
- ✗ 4. MOZB

Q.15 Select the number from among the given options that can replace the question mark (?) in the following series.
22, 27, 37, 52, 72, ?

Ans ✔ 1. 97

✘ 2. 95

✘ 3. 100

✘ 4. 92

Q.16 In a certain code language, 'NODE' is coded as '6297' and 'BONE' is coded as '9716'. What is the code for 'D' in that language?

Ans ✘ 1. 7

✔ 2. 2

✘ 3. 6

✘ 4. 1

Q.17 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.)
(599, 236, 363)
(481, 145, 336)

Ans ✔ 1. (641, 314, 327)

✘ 2. (426, 159, 287)

✘ 3. (547, 217, 310)

✘ 4. (612, 278, 344)
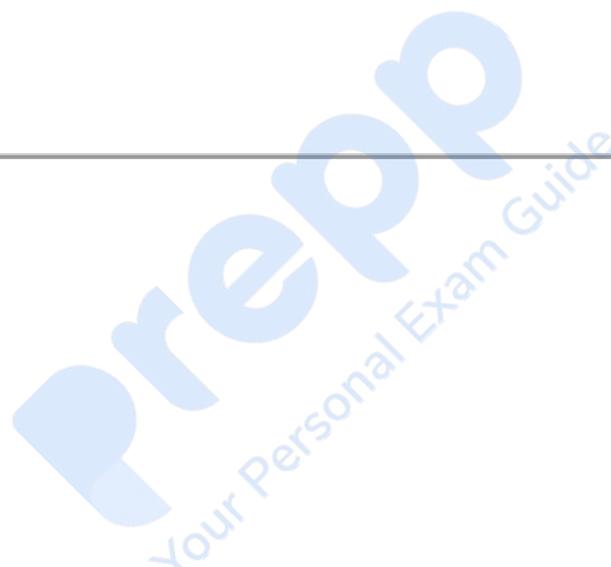
Q.18 Identify the figure given in the options which when put in place of (?) will logically complete the series.

| Y   A |
| X |
| K   D |

| X   Y |
| K |
| D   A |

| K   X |
| D |
| A   Y |

| D   K |
| A |
| Y   X |

| ? |

Ans

✔ 1.
| A   D |
| Y |
| X   K |

✘ 2.
| Y   A |
| X |
| K   D |

✘ 3.
| A   X |
| K |
| D   Y |

✘ 4.
| A   D |
| Y |
| K   X |
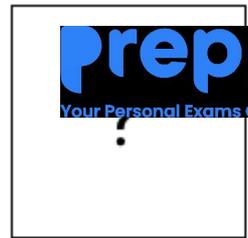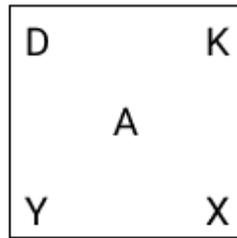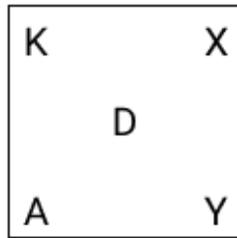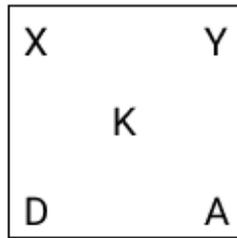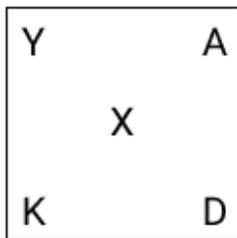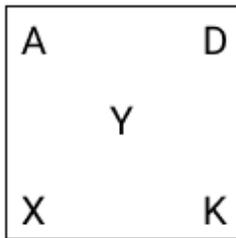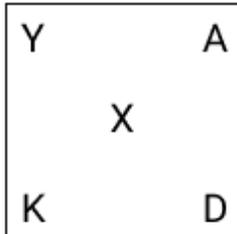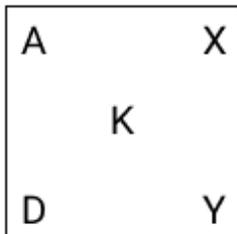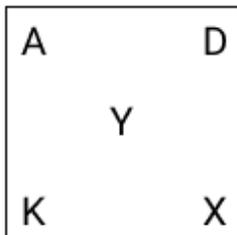
Q.19 Given below are two statements and two conclusions. Take the statements to be true even if they are at variance with commonly known facts, and decide whether the conclusion(s) follow(s) the given statements.
Statements:
All plastics are fibres.
Some fibres are leathers.
Conclusions:
I. Some plastics are leathers.
II. Some fibres are plastics.

Ans ✘ 1. Only conclusion I follows

✔ 2. Only conclusion II follows

✘ 3. Neither conclusion I nor II follows

✘ 4. Both the conclusions follow

Q.20 What will come in place of the question mark (?) when + and − are interchanged and 8 and 16 are also interchanged?
3 × 6 + 16 − 8 ÷ 2 = ?

Ans ✔ 1. 18

✘ 2. 20

✘ 3. 19

✘ 4. 17

Q.21 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M

Gry4d7

N

Ans
1. ⌐b◄γɿ⅁
2. ⌐4dγɿ⅁
3. ∠b◄γɿG
4. ∠dqγ⅃G
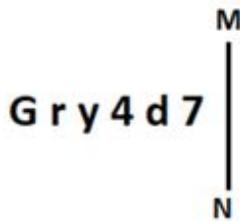
Q.22 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.
DIETY : CJFSX :: GRACE : FQBBF :: GLORY : ?

Ans
1. FKPQX
2. FKMQX
3. FKRQX
4. FKPSX

Q.23 In a code language, 'SERIES' is coded as 87 and 'DISMAY' is coded as 91. How will 'SPRINT' be coded in the same language?

Ans
1. 66
2. 52
3. 71
4. 57

Q.24 Which of the following numbers will replace the question mark (?) in the given series?
10, 50, 250, 1250, 6250, ?

Ans
1. 31250
2. 21250
3. 91250
4. 61250

Q.25 In a certain code language, 'bring the bags' is written as 'nd sm pf' and 'bags of gold' is written as 'rg tx sm'. How is 'bags' written in the given language?

Ans
1. sm
2. pf
3. rg
4. nd

Q.26 Which two signs should be interchanged to make the given equation correct?
30 + 3 × 990 − 11 ÷ 63 = 237

Ans
1. + and −
2. ÷ and −
3. − and ×
4. × and +

Q.27 Select the Venn diagram that best illustrates the relationship between the following classes.
Painters, Men, Women

Ans

✗ 1.
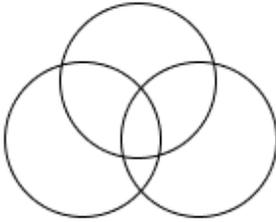
✗ 2.

✗ 3.
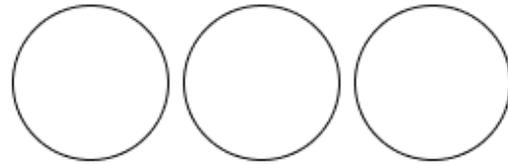
✔ 4.
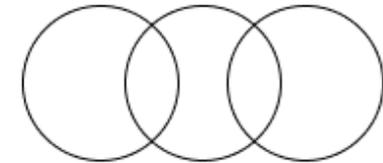
Q.28 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All scanners are printers.
Some scanners are copiers.

Conclusions:
I. Some printers are copiers.
II. No copier is a printer.
III. Some printers are scanners.

Ans

✗ 1. Only conclusions II and III follow

✗ 2. Only conclusions I and II follow

✗ 3. All of the conclusions follow

✔ 4. Only conclusions I and III follow

Q.29 A sheet of paper is folded along the dotted line successively along the directions shown and is then punched in the last. How would the paper look when unfolded?

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
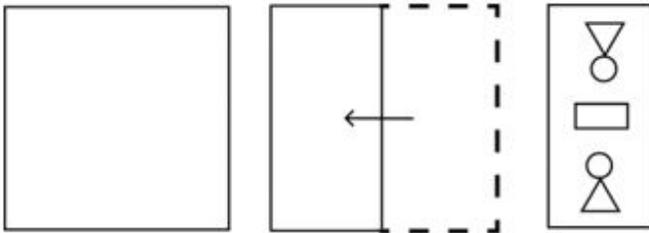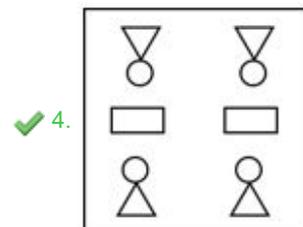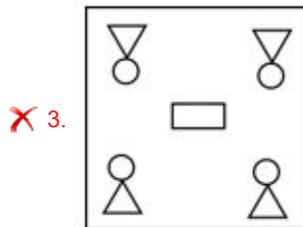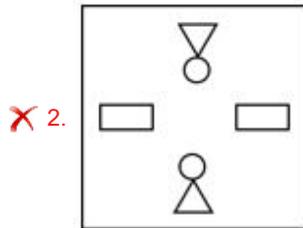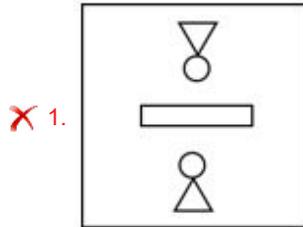
Q.30 Select the number from among the given options that can replace the question mark (?) in the following series.
53, 62, 77, 98, ?

Ans

✗ 1. 122

✔ 2. 125

✗ 3. 121

✗ 4. 123

Q.31 Which of the following numbers will replace the question mark (?) in the given series?

167   117   ?   47   27

Ans

✗ 1. 37

✔ 2. 77

✗ 3. 87

✗ 4. 107

Q.32 824 is related to 329 following a certain logic. Following the same logic, 271 is related to 505. Which of the following numbers is related to 408 using the same logic?

Ans   ✗ 1. 325

     ✓ 2. 822

     ✗ 3. 612

     ✗ 4. 434

Q.33 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

M

h Y R a w K

N

Ans   ✓ 1. ꓘwɒЯYʜ

     ✗ 2. ꓘwɘЯYʜ

     ✗ 3. ꓘwɒYЯʜ

     ✗ 4. ꓘwɘЯYʜ
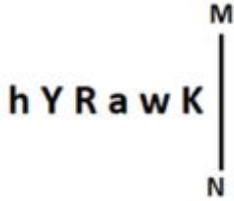
Q.34 24 is related to 8 following a certain logic. Following the same logic, 54 is related to 20. Which of the following numbers is related to 18 using the same logic?

Ans   ✗ 1. 12

     ✗ 2. 26

     ✓ 3. 63

     ✗ 4. 42

Q.35 Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Larkiness
2. Larcenist
3. Larceners
4. Lariated
5. Laryngal
6. Largely

Ans   ✗ 1. 3, 2, 1, 4, 6, 5

     ✓ 2. 3, 2, 6, 4, 1, 5

     ✗ 3. 3, 2, 1, 6, 4, 5

     ✗ 4. 3, 2, 4, 1, 6, 5

Q.36 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. IFM

     ✗ 2. GDK

     ✗ 3. TQX

     ✓ 4. OLR

Q.37 Which of the following terms will replace the question mark (?) in the given series?
DIQ, EJR, FKS,?

Ans   ✗ 1. DLS

     ✗ 2. DKO

     ✗ 3. ETH

     ✓ 4. GLT

Q.38 Ajay starts from Point A and drives 10 km towards North. He then takes a right turn, drives 3 km, turns right and drives 15 km. He then takes a right turn and drives 8 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he now drive to reach Point A again? (All turns are 90° turns only.)

Ans
✗ 1. 3 km towards East

✗ 2. 5 km towards West

✔ 3. 5 km towards East

✗ 4. 3 km towards West

Q.39 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose the figure which would most closely resemble the unfolded form of the paper.
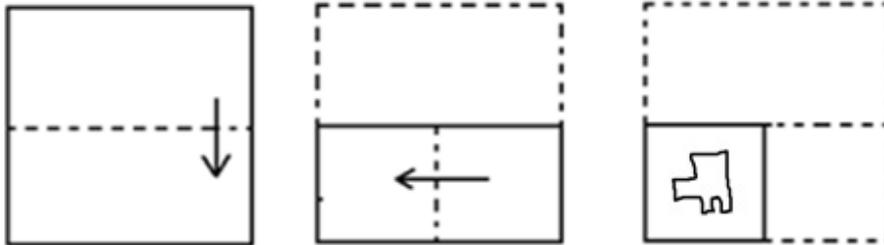
Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Q.40 If $+$ means $-$, $-$ means $\times$, $\times$ means $\div$, $\div$ means $+$, what will come in place of the question mark (?) in the given equation.

$60 + 378 \times 18 \div 23 - 2 = ?$

Ans
✗ 1. 75

✗ 2. 58

✗ 3. 57

✓ 4. 85

Q.41 Which of the following letter-clusters will replace the question mark (?) in the given series?
aaabccccccccc, aaabbcccc, aaabbbbcc, ?

Ans
✓ 1. aaabbbbbbbbc

✗ 2. aabbbbbbbbc

✗ 3. aaabbbbbbcc

✗ 4. aaabbbbbbccc

Q.42 If + means − , − means × , × means ÷ , ÷ means +, what will come in place of the question mark (?) in the given equation?

99 × 33 – 70 ÷ 90 + 100 = ?

Ans
✗ 1. 201

✓ 2. 200

✗ 3. 100

✗ 4. 300

Q.43 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 x N % P – S + T'?

Ans
✗ 1. Brother's wife's mother's father

✗ 2. Wife's mother's father

✗ 3. Wife's father's mother's brother

✓ 4. Wife's brother

Q.44 If + means − , − means × , × means ÷ , ÷ means +, what will come in place of the question mark (?) in the given equation?

180 × 60 – 33 ÷ 1 + 50 = ?

Ans
✗ 1. 40

✗ 2. 55

✓ 3. 50

✗ 4. 51

Q.45 Kiara starts from Point A, which is 5 km towards the north of Z. From Point A, she turns towards the east and drives 8 km. She then takes a right turn and drives 9 km. Finally, she takes a right turn, drives for 15 km and stops at Point B. In which direction is Point B with respect to Point Z?

Ans
✓ 1. South-West

✗ 2. North-East

✗ 3. North-West

✗ 4. South

Q.46 Which of the following interchanges of signs would make the given equation correct?
$3 - 15 + 10 \div 2 \times 7 = 43$

Ans ✗ 1. ÷ and ×

✓ 2. − and ×

✗ 3. − and +

✗ 4. + and ×

Q.47 In a certain code language,
A+ B means 'A is the mother 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'
Based on the above, how is R related to U if 'U − P × Q ÷ R + S − T'?

Ans ✗ 1. Daughter

✗ 2. Sister

✓ 3. Sister's daughter

✗ 4. Wife's sister

Q.48 If 'I' stands for '×', 'J' stands for '+', 'K' stands for '÷' and 'L' stands for '−', what will come in place of the question mark (?) in the following equation?

(40 J 32 K 4) I 5 L 155 J 7 I 9 = ?

Ans ✗ 1. 156

✓ 2. 148

✗ 3. 126

✗ 4. 134

Q.49 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)

(112, 56, 8)
(196, 98, 14)

Ans ✗ 1. (294, 149, 21)

✓ 2. (294, 147, 21)

✗ 3. (294, 147, 19)

✗ 4. (292, 147, 21)

Q.50 Identify the figure given in the options which when put in place of '?' will logically complete the series.

M ↑	M ↑	M ↑	W ↑	?
↑ A	↑ ∀	↓ ∀	↓ ∀	

Ans

✗ 1.
W ↓
↑   ∀

✓ 2.
W ↓
↓   ∀

✗ 3.
W ↑
↓   ∀

✗ 4.
M ↑
↓   ∀

Section : General Knowledge and General Awareness

Q.1 Kandariya Mahadeva temple at Khajuraho was built under which of the following dynasties?

Ans ✗ 1. Chera

✓ 2. Chandela

✗ 3. Rashtrakuta

✗ 4. Solanki

Q.2 Who among the following founded the Muhammedan Anglo-Oriental College in Aligarh for the spread of Western education?

Ans ✓ 1. Sir Syed Ahmed Khan

✗ 2. Badrudeen Tyabji

✗ 3. Maulana Abul Kalam Azad

✗ 4. Syed Ameer Ali

Q.3 Of the total water content available globally, how much percentage of water is received from freshwater resources?

Ans ✗ 1. 0.5%

✗ 2. 4.5%

✗ 3. 3.5%

✓ 4. 2.5%

Q.4 The concept of limited government is a major advancement to protect the _____ of the citizens from the ruling governments.

Ans
- ✗ 1. separation of power
- ✗ 2. fundamental duties
- ✓ 3. fundamental rights
- ✗ 4. check and balance

Q.5 Which of the following is known as the steel city in India?

Ans
- ✗ 1. Mumbai
- ✓ 2. Jamshedpur
- ✗ 3. Patna
- ✗ 4. Ranchi

Q.6 Who discovered a principle that states that the buoyant force on an object is equal to the weight of the fluid displaced by the object?

Ans
- ✗ 1. Isaac Newton
- ✗ 2. Niels Bohr
- ✓ 3. Archimedes
- ✗ 4. Galileo Galilei

Q.7 Begum Akhtar a famous singer from India is known for which of the following genres?

Ans
- ✓ 1. Ghazal music
- ✗ 2. Sufi music
- ✗ 3. Folk music
- ✗ 4. Carnatic music

Q.8 Which of the following options is NOT correctly matched?

Ans
- ✗ 1. Wular lake - Jammu and Kashmir
- ✗ 2. Chilika Lake - Odisha
- ✓ 3. Sardar Sarovar Lake - Karnataka
- ✗ 4. Vembanad Lake - Kerala

Q.9 Which of the following statements are correct regarding the special powers of the Governors according to the Indian Constitution?
A.The Governor of Nagaland shall have special responsibility related to law and order in the State.
B.The Governor of Manipur will submit a special annual report to the President on the administration of hilly areas in the State.
C.The Governor of Sikkim shall have special responsibility for peace and for an equitable arrangement for ensuring the social and economic advancement of different sections.
D.The Governor of Arunachal Pradesh shall have special responsibility with respect to law and order in the State of Arunachal Pradesh.

Ans
- ✗ 1. B, C and D only
- ✗ 2. A, B and C only
- ✗ 3. A, C and D only
- ✓ 4. A, B, C and D

Q.10 Which of the following was widely considered as the 'heaven born service' for Indians during British rule?

Ans
- ✗ 1. Military service on the Burma front
- ✓ 2. The Indian Civil Service or ICS
- ✗ 3. The Indian Judicial Service
- ✗ 4. The British Indian Army

Q.11 Deepa Kartha represents _____ dance.

Ans ✗ 1. Manipuri

✗ 2. Sattriya

✗ 3. Odissi

✓ 4. Kathak

Q.12 Dharmapala is known to have founded which of the following universities near Bhagalpur in Bihar?

Ans ✓ 1. Vikramashila

✗ 2. Valabhi

✗ 3. Takshila

✗ 4. Nalanda

Q.13 Which of the following is NOT true with regard to the Green Revolution?

Ans ✗ 1. Cultivation became more intensive in nature.

✗ 2. In its second phase, there was a shift to from dry to wet (irrigated) cultivation in dry and semi-arid regions of India.

✓ 3. Cultivation became more extensive in nature.

✗ 4. There was change in the cropping pattern and types of crops grown in its second phase.

Q.14 In which of the following months of the Hindu calendar is the festival of Holi celebrated?

Ans ✓ 1. Phalguna

✗ 2. Magha

✗ 3. Sravana

✗ 4. Asadha

Q.15 What is the correct way to mix acid and water?

Ans ✗ 1. The water must be added to the acid.

✗ 2. The water must be heated before mixing.

✗ 3. The acid must be heated before mixing.

✓ 4. The acid must be slowly added to the water.

Q.16 What is the colour of the antenna used on the volleyball net?

Ans ✓ 1. Red and white

✗ 2. Yellow and black

✗ 3. Black and white

✗ 4. Green and white

Q.17 Special Drawing Rights are also known as _____.

Ans ✗ 1. Golden Papers

✗ 2. International Reserves Money

✓ 3. Paper Gold

✗ 4. Gold Papers

Q.18 In which of the following parts of India are thorn forests and scrub forests found?

Ans ✗ 1. South-eastern India

✗ 2. North-eastern India

✓ 3. North-western India

✗ 4. South-western India

Q.19 Which festival comes at the end of Navratri and Durga Pooja?

Ans ✗ 1. Christmas

✗ 2. Holi

✗ 3. Pongal

✓ 4. Dussehra

Q.20 What Article of the Indian Constitution provides that the State Governor has the authority to reserve a bill for the consideration of the President?

Ans ✗ 1. Article 181

✓ 2. Article 200

✗ 3. Article 190

✗ 4. Article 267

Q.21 As of December 2022, the 'Kalidas Samman' award is given in the field of art by the government of which Indian state?

Ans ✗ 1. Rajasthan

✓ 2. Madhya Pradesh

✗ 3. Telangana

✗ 4. Tamil Nadu

Q.22 Who among the following wrote the book 'Chanakya's Chant'?

Ans ✗ 1. Novoneel Chakraborty

✗ 2. Samit Basu

✗ 3. Amish Tripathi

✓ 4. Ashwin Sanghi

Q.23 What distinguishes a bank from other financial institutions?

Ans ✗ 1. Lending

✓ 2. Accepting deposits

✗ 3. Providing long term loans

✗ 4. Accepting loans and borrowings

Q.24 Which instrument was used to measure economic growth during the planning era?

Ans ✗ 1. Per Capita Gross Domestic Product

✓ 2. Gross Domestic Product

✗ 3. Per Capita Income

✗ 4. National Income

Q.25 In 2011–12, what percentage of Indian workforce was engaged in secondary sector?

Ans ✗ 1. 30.0%

✗ 2. 60.4%

✓ 3. 24.3%

✗ 4. 15.8%

Q.26 LakshyaSen was born in _____.

Ans ✓ 1. Uttarakhand

✗ 2. Telangana

✗ 3. Uttar Pradesh

✗ 4. Himachal Pradesh

Q.27 Who among the following Bharatnatyam dancers was bestowed with the title of Asthana Narthaki (Resident Dancer) by the Tirumala Tirupati Devasthanam temple?

Ans
- ❌ 1. Padma Subramanyam
- ✅ 2. Yamini Krishnamurthy
- ❌ 3. Rita Ganguly
- ❌ 4. Indrani Rahman

Q.28 Which of the following scientists grouped the elements into triads?

Ans
- ❌ 1. Dimitri Mendeleev
- ❌ 2. John Newlands
- ❌ 3. Henry Moseley
- ✅ 4. Johann Wolfgang Dobereiner

Q.29 Identify the structure that controls the size of the pupil.

Ans
- ❌ 1. Vitreous humour
- ✅ 2. Iris
- ❌ 3. Ciliary muscles
- ❌ 4. Cornea

Q.30 Which of the following revolutionists was associated with the Anushilan Samiti?

Ans
- ❌ 1. Rajguru
- ❌ 2. Bhagat Singh
- ✅ 3. Jatindra Mohan Sengupta
- ❌ 4. Sukhdev

Q.31 What is the size of a standard table tennis ball?

Ans
- ❌ 1. 41 mm
- ❌ 2. 39 mm
- ✅ 3. 40 mm
- ❌ 4. 42 mm

Q.32 Pulakeshin II belonged to which of the following dynasties?

Ans
- ❌ 1. Pandya
- ❌ 2. Chera
- ✅ 3. Chalukya
- ❌ 4. Rashtrakuta

Q.33 Identify the organism that shows bioluminescence.

Ans
- ❌ 1. Fasciola
- ✅ 2. Ctenoplana
- ❌ 3. Liver fluke
- ❌ 4. Tapeworm

Q.34 How many fundamental duties were added by the 42nd Constitution Amendment Act, 1976?

Ans
- ❌ 1. 12
- ❌ 2. 14
- ✅ 3. 10
- ❌ 4. 8

Q.35 What is the chemical formula for butane?

Ans ✗ 1. C_4H_8

✗ 2. C_2H_{10}

✗ 3. C_2H_6

✓ 4. C_4H_{10}

Q.36 Which of the following organisms can initiate ecological succession even in bare rocks?

Ans ✗ 1. Orchids

✗ 2. Aspergillums

✗ 3. Lily

✓ 4. Lichens

Q.37 According to Dalton, which of the following represents the Phosphorus element?

Ans ✗ 1. b

✗ 2. a

✓ 3. c

✗ 4. d

Q.38 The Great Indian desert/Thar desert is located on the western margin of which of the following mountain ranges?

Ans ✗ 1. Vindhya range

✓ 2. Aravalli range

✗ 3. Eastern ghats

✗ 4. Satpura range

Q.39

Match column A with column B.

Column-A	Column-B
i. Lemon	a. Tartaric acid
ii. Milk	b. Citric acid
iii. Vinegar	c. Lactic acid
iv. Tamarind	d. Acetic acid

Ans ✗ 1. i-d, ii-c, iii-b, iv-a

✗ 2. i-a, ii-b, iii-c, iv-d

✗ 3. i-b, ii-a, iii-c, iv-d

✓ 4. i-b, ii-c, iii-d, iv-a

Q.40 International Army Games - 2021 was held in which of the following countries from 22 August to 4 September?

Ans ✗ 1. India

✗ 2. Belarus

✗ 3. Uzbekistan

✓ 4. Russia

Q.41 What do the words 'aus', 'aman' and 'boro' signify in the context of agricultural calendar in India?

Ans
✗ 1. Types of harvest festivals in Assam

✗ 2. Types of traditional wells in Gujarat

✓ 3. Types of seasons of sowing rice in West Bengal

✗ 4. Types of alluvial soils in the Gangetic plains

Q.42 'The forty minutes raga' is an album composed by _____ .

Ans
✗ 1. Bhimsen Joshi

✗ 2. Hariprasad Chaurasia

✓ 3. Ali Akbar Khan

✗ 4. Amjad Ali Khan

Q.43 Who among the following personalities was awarded the Sangeet Natak Akademi Award (for her contribution to Manipuri Dance)?

Ans
✗ 1. Urmila Nagar

✓ 2. Kalavati Devi

✗ 3. Mallika Sarabhai

✗ 4. Nirmala Ramachandran

Q.44 As per Census 2011, what is the percentage of rural population in India?

Ans
✗ 1. 52.4%

✗ 2. 59.3%

✗ 3. 65.2%

✓ 4. 68.8%

Q.45 Directive Principles of State Policy comes under which Article?

Ans
✗ 1. Article 14-35

✗ 2. Article 34-50

✓ 3. Article 36-51

✗ 4. Article 12-35

Q.46 Which Article of the Indian Constitution deals with the annual financial statement of the Government of India?

Ans
✗ 1. Article 120

✗ 2. Article 116

✓ 3. Article 112

✗ 4. Article 110

Q.47 If the value/percentage of the cash reserve ratio falls, then the value of money multiplier _____.

Ans
✗ 1. falls

✗ 2. None of the above

✗ 3. remains stable

✓ 4. rises

Q.48 Who among the following was the co-winner of Bharat Ratna with Lata Mangeskar in the year 2001?

Ans
✓ 1. Bismillah Khan

✗ 2. Ravi Shankar

✗ 3. Bhimsen Joshi

✗ 4. Asha Bhosle

Q.49 Who among of the following is the author of the book Making India Awesome?

Ans
- ✓ 1. Chetan Bhagat
- ✗ 2. Vikram Seth
- ✗ 3. Aravind Adiga
- ✗ 4. Siddhartha Mukherjee

Q.50 Choose the correct statements about the Western Ghats.
a. The height of the Western Ghats progressively increases from north to south.
b. Mahendragiri is the highest peak in the Western Ghats.
c. The Western Ghats are higher than the Eastern Ghats.
d. The height of the Western Ghats progressively decreases from north to south.

Ans
- ✗ 1. b, c and d
- ✗ 2. a and b
- ✓ 3. a and c
- ✗ 4. Only c and d

Section : Quantitative Aptitude

Q.1 The value of $\dfrac{17}{\sec^2\theta} + 10\sin^2\theta + \dfrac{7}{1 + \cot^2\theta}$ is:

Ans
- ✗ 1. 34
- ✗ 2. 20
- ✓ 3. 17
- ✗ 4. 19

Q.2 The quantity of milk in a mixture of milk and water is $\dfrac{4}{5}$ of the volume of the mixture. After adding 1 liter of milk to 5 liters of the mixture, the percentage of water in the mixture is:

Ans
- ✗ 1. 17.5%
- ✗ 2. 15%
- ✗ 3. $\dfrac{200}{6}\%$
- ✓ 4. $\dfrac{100}{6}\%$

Q.3 A shopkeeper offers a 10% discount on dairy products and still manages to make a 20% profit. What is the actual cost (in ₹) to the shopkeeper of a dairy product marked ₹420?

Ans
- ✓ 1. 315
- ✗ 2. 340
- ✗ 3. 350
- ✗ 4. 325

Q.4 In an election, 95% of the total voters cast their votes. In this election, there were only two candidates A and B. The winner A, by obtaining 75% of the total votes, defeated his contestant B by 5500 votes. Find the total number of voters in the election.

Ans
- ✗ 1. 11,000
- ✓ 2. 10,000
- ✗ 3. 13,000
- ✗ 4. 12,000

Q.5 Simplify 250 + [100 - {50 - (30 + 15)}].

Ans ✗ 1. 280

✗ 2. 255

✓ 3. 345

✗ 4. 360

Q.6 Find the value of [16 ÷ 2 - 7 × 15 ÷ 3 + {(1 + 4) × 5} + 4 × 3 - 10].

Ans ✓ 1. 0

✗ 2. 4

✗ 3. −2

✗ 4. 2

Q.7 Simplify the given expression.

$$55\tfrac{1}{3} \div \left[3\tfrac{1}{5} + \left\{2\tfrac{1}{2} - \left(2\tfrac{1}{3} + \tfrac{3}{5}\right)\right\}\right]$$

Ans ✗ 1. 25

✗ 2. 35

✓ 3. 20

✗ 4. 15

Q.8 Simplify 45 ÷ 5 × 5 + 10 - 5.

Ans ✗ 1. 40

✓ 2. 50

✗ 3. 60

✗ 4. 30

Q.9 The ratio of the slant height and the height of a cone is 4 : 3. If the curved surface area of the cone is $4\sqrt{7}\pi$ square units, then the radius of the cone is _____ units.

Ans ✗ 1. $7\sqrt{7}$

✗ 2. 7

✓ 3. $\sqrt{7}$

✗ 4. $\dfrac{\sqrt{7}}{7}$

Q.10 Simplify

$$8.16 \times 5.35 + 17.9 - 19.5 \text{ of } \tfrac{1}{15} + \tfrac{1}{5}$$

Ans ✗ 1. 57.426

✓ 2. 60.456

✗ 3. 65.234

✗ 4. 70.225

Q.11 If the radius of a sphere is increased by 20%, then find the percentage increase in its volume.

Ans ✗ 1. 70.6%

✗ 2. 75.5%

✓ 3. 72.8%

Q.12

If $x^2 - 6x - 1 = 0$, then find the value of $x^2 + \frac{1}{x^2} - 8$.

Ans
- ✔ 1. 30
- ✘ 2. 32
- ✘ 3. 28
- ✘ 4. 34

Q.13 The population of a town is 15000. If the population increases by 15% in the first year, by 25% in the second year and due to pollution it decreases by 6% in the third year, what will be its population after 3 years?(Round off number in answer)

Ans
- ✔ 1. 20269
- ✘ 2. 15269
- ✘ 3. 25269
- ✘ 4. 28269

Q.14 The side PR of a ΔPQR is extended to S such that QR = RS. If ∠PRQ = 86°, then find the value of ∠PSQ.

Ans
- ✘ 1. 94°
- ✘ 2. 54°
- ✔ 3. 43°
- ✘ 4. 86°

Q.15 The table below shows the number of mobile phones that were sold by the show rooms in the years from 2016-2020.

Years/show room	P	Q	R	S	T	U
2016	220	230	250	280	240	260
2017	310	300	320	340	330	350
2018	400	380	410	420	440	430
2019	450	350	380	420	410	430
2020	420	430	410	440	400	420

What will be the average number of mobile phones sold by all the show rooms in the year 2020?

Ans
- ✘ 1. 405
- ✔ 2. 420
- ✘ 3. 410
- ✘ 4. 415

Q.16 The following table gives information of Panchayat elections held in four villages P, Q, R and S.

Villages	Total available votes (in thousands)	Votes polled (in %)	Valid votes (in %)
P	40	80	90
Q	50	90	80
R	60	75	80
S	80	80	85

Find the ratio of invalid votes of village P to that of village S.

Ans
- ✘ 1. 3:4
- ✘ 2. 1:2
- ✔ 3. 1:3
- ✘ 4. 2:3

Q.17 If the length and breadth of a cuboid are increased by 6% and 8%, respectively, then the percentage increase in its volume (correct to two decimal places) is:

Ans

✗ 1. 13.96%

✗ 2. 12.96%

✔ 3. 14.48%

✗ 4. 11.48%

Q.18 Find the mean from the following table (rounded off to two decimal places).

Score	Frequencies
15	2
18	3
21	4
22	1
19	5
23	1
24	2

Ans

✗ 1. 18.44

✗ 2. 17.56

✗ 3. 20.82

✔ 4. 19.78

Q.19 Two rectangular sheets of paper, each 60 cm × 36 cm, are made into two right circular cylinders, one by rolling the paper along its length and the other along the breadth. The ratio of the volumes of the two cylinders, thus formed, is:

Ans

✗ 1. $5 : 6$

✗ 2. $8 : 3$

✗ 3. $7 : 4$

✔ 4. $5 : 3$

Q.20

If $\cos A = \frac{4}{5}$, then find the value of $(8 + \sin A)(3 - \tan A)$.

Ans

✗ 1. $\dfrac{373}{20}$

✗ 2. $\dfrac{367}{20}$

✔ 3. $\dfrac{387}{20}$

✗ 4. $\dfrac{381}{20}$

Q.21 Simplify the given expression.

$$\frac{53 - \frac{2}{7} \text{ of } 63 - 9}{72 - \frac{2}{5} \text{ of } (96 - 31)}$$

Ans

✗ 1. $\frac{26}{23}$

✗ 2. $\frac{11}{23}$

✔ 3. $\frac{13}{23}$

✗ 4. $\frac{7}{23}$

Q.22 A man travels some distance from his house to the exhibition ground by an auto at a speed of 30 km/h and returns by a cab at a speed of 50 km/h. What is his average speed (in km/h)?

Ans

✗ 1. 38

✗ 2. 28

✗ 3. 40

✔ 4. 37.5

Q.23 A shopkeeper sold 3 wristwatches for ₹2,800 each. If he has sold the watches with 40%, 25% and 12% profit, respectively, then find his overall profit percentage (correct to 2 decimal places).

Ans

✗ 1. 0.2419

✔ 2. 0.2463

✗ 3. 0.2455

✗ 4. 0.2475

Q.24 Two trains, P and Q, are running on parallel tracks in opposite directions with lengths of 110 m and 140 m, respectively. Train P is running at a speed of 70 km/h and took 5 seconds to cross train Q. The speed of train Q is:

Ans

✗ 1. 120 km/h

✔ 2. 110 km/h

✗ 3. 90 km/h

✗ 4. 100 km/h

Q.25 Sumit and Rajiv, working together, can do a job in 20 hours whereasSumit alone can do the same job in 25 hours. In how many hours can Rajiv alone do the job?

Ans

✗ 1. 70

✗ 2. 90

✗ 3. 80

✔ 4. 100

Q.26

The value of $\dfrac{61 + \frac{2}{5} \times 75 \div 6 - \left(3 \times 6 \div \frac{1}{3}\right) \times \frac{1}{6}}{5 + \frac{2}{3} \times (58 - 37)}$ is:

Ans

✗ 1. 19

✗ 2. 11

✔ 3. 3

✗ 4. 57

Q.27 If $2a + 2b + c = 0$, then find the value of $\dfrac{4a^2 + 4b^2 + 4c^2}{5c^2 - 8ab}$.

Ans
✗ 1. -1

✗ 2. $-2\sqrt{3}$

✓ 3. 1

✗ 4. $2\sqrt{3}$

Q.28 In a sweet, one-third is sugar. If the price of sugar now is $\dfrac{7}{6}$ of the previous price, what is the effective percentage increase in the cost of the sweet?

Ans
✗ 1. $\dfrac{100}{9}\%$

✗ 2. $\dfrac{200}{9}\%$

✓ 3. $\dfrac{100}{18}\%$

✗ 4. $\dfrac{100}{3}\%$

Q.29 The ratio of the speed of a boat to that of the current water is 35 : 8. The boat goes along with the current in 5 hours 10 minutes. What will be the time taken by the boat to come back?

Ans
✗ 1. 5 hours 15 minutes 58 seconds

✗ 2. 6 hours 45 minutes 10 seconds

✓ 3. 8 hours 13 minutes 48 seconds

✗ 4. 9 hours 30 minutes 49 seconds

Q.30 A student goes to his school by cycle. The distance from his house to school is 5 km and he covers this distance in 1 hour. While going he stops twice for 5 minutes each. Find his average speed (in km/h).

Ans
✗ 1. 5.5

✗ 2. 6.5

✓ 3. 6

✗ 4. 4.5

Q.31 Ramesh spent ₹30,000 on Diwali shopping and ₹45,000 on buying a TV set, and the remaining 40% of the total amount he had as cash with him. What was the total amount (in ₹)?

Ans
✗ 1. 1,22,000

✓ 2. 1,25,000

✗ 3. 1,35,000

✗ 4. 1,10,000

Q.32 If $a = \left(\sqrt{2} - 1\right)^{\frac{1}{3}}$, then the value of $\left(a - \dfrac{1}{a}\right)^3 + 3\left(a - \dfrac{1}{a}\right)$ is:

Ans
✗ 1. 2

✓ 2. -2

✗ 3. $\sqrt{2}$

✗ 4. $-\sqrt{2}$

Q.33 The length of a side of an equilateral triangle is 18 cm. The area (in cm^2) of the region lying between the circumcircle and the incircle of the triangle is [use $\pi = \frac{22}{7}$]

Ans

✗ 1. $254\frac{3}{7}$

✗ 2. $254\frac{1}{7}$

✗ 3. $254\frac{2}{7}$

✓ 4. $254\frac{4}{7}$

Q.34 The value of $15 - 16 \div [4 + (5 + 7) \div 3]$ is equal to:

Ans ✗ 1. 11

✗ 2. 17

✗ 3. 18

✓ 4. 13

Q.35 Simplify the following expression. $3\frac{1}{7} \div 1\frac{4}{7} + 3 \, of \, 2\frac{2}{3} + 2.5 \times 2.4 \div 3\frac{1}{3} - 4 \, of \, 3$

Ans

✗ 1. $-\frac{2}{5}$

✗ 2. $-\frac{4}{5}$

✓ 3. $-\frac{1}{5}$

✗ 4. $-\frac{3}{5}$

Q.36 In a circle, the chords AB and CD intersect each other at point L (internally). If AL = 8 cm, LB = 6 cm and LD = 5 cm, then find the CL.

Ans ✗ 1. 10.6 cm

✓ 2. 9.6 cm

✗ 3. 7.6 cm

✗ 4. 8.6 cm

Q.37 If 12 people can print 540 identical books in 10 days, then how many more people will be required to print 720 such books in 8 days?

Ans ✓ 1. 8

✗ 2. 12

✗ 3. 6

✗ 4. 4

Study the given table and answer the question that follows.

The table shows the production of five different types of cars by a com*Prepp*
from 1989 to 1994.

Year → Type ↓	1989	1990	1991	1992	1993	1994	Total
P	8	20	16	17	21	6	88
Q	16	10	14	12	12	14	78
R	21	17	16	15	13	8	90
S	4	6	10	16	20	31	87
T	25	18	19	30	14	27	133
Total	74	71	75	90	80	86	476

In which year was the production of cars of all types taken together approximately equal to the average of the total production during the period?

Ans ✗ 1. 1990

✗ 2. 1992

✗ 3. 1991

✔ 4. 1993

Q.39

What is the value of $\dfrac{[(\sin x + \sin y)(\sin y - \sin x)]}{[(\cos x + \cos y)(\cos y - \cos x)]}$?

Ans ✗ 1. 0

✗ 2. 1

✔ 3. -1

✗ 4. 2

Q.40 A dishonest dealer claims to sell his products at 24% loss on the cost price but uses 100 g weight instead of 200 g weight. His profit percentage is:

Ans ✔ 1. 52%

✗ 2. 40%

✗ 3. 48%

✗ 4. 55%

Q.41

The value of $\sin^2 15° + \sin^2 25° + \sin^2 35° + \sin^2 45° + \sin^2 55° + \sin^2 65° + \sin^2 75°$ is:

Ans ✗ 1. 4

✗ 2. 7

✔ 3. $\dfrac{7}{2}$

✗ 4. $\dfrac{7}{3}$

Q.42 The area of a circle is 256π square cm. The length of its longest chord (in cm) is:

Ans
✗ 1. 34

✗ 2. 36

✗ 3. 16

✔ 4. 32

Q.43 The following pie chart represents the data of movies released in a city throughout a year.

Movies Released
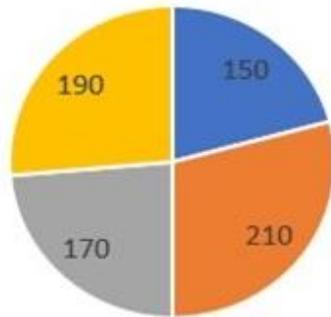
■ Jan-Mar   ■ Apr-Jun   ■ Jul-Sep   ■ Oct-Dec

The combined angle made by Jan-Mar and Jul-Sep is _____ than the combined angle made by Apr-Jun and Oct-Dec.

Ans
✗ 1. 80° more

✗ 2. 40° more

✗ 3. 80° less

✔ 4. 40° less

Q.44 The following pie-chart shows details of the per month expenditure of a family.

Study the pie-chart carefully and answer the question that follows.

Expenditure per month details

■ rent
■ groceries
■ education
■ medicines
■ electricity
■ savings
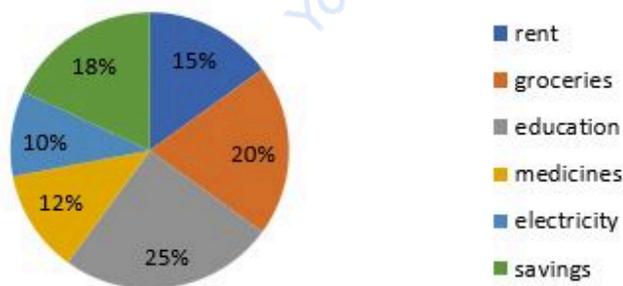
The expenditure on rent, medicines and electricity together is what percentage of the expenditure on groceries and education together?

Ans
✗ 1. 70.82%

✔ 2. 82.22%

✗ 3. 80.22%

✗ 4. 76.52%

Q.45 A man borrowed ₹29,000 for 3 years and ₹45,000 for 5 years at the same rate of simple interest. If he paid a total interest of ₹62,400, then what was the rate of interest?

Ans
✗ 1. 27%

✗ 2. 18%

✗ 3. 25%

✔ 4. 20%

Q.46 If a car runs at a speed of 60 km/h and takes 180 minutes to cover a certain distance, then what time will it take to cover the same distance at a speed of 40 km?

Ans
✗ 1. 3 hr

✔ 2. 4 hr 30 min

✗ 3. 3 hr 45 min

✗ 4. 3 hr 15 min

Q.47 An alloy contains the metals A, B and C in the ratio 2 : 3 : 1 and another contains the metals B, C and D in the ratio 5 : 4 : 3. If equal weights of both alloys are mixed together to form a third alloy, then how much part of the metal B is in new alloy?

Ans
✗ 1. $\dfrac{1}{8}$

✗ 2. $\dfrac{1}{6}$

✗ 3. $\dfrac{3}{24}$

✔ 4. $\dfrac{11}{24}$

Q.48 A seller marks an item for ₹500 and sells it at a discount of 25%. He also gives a gift worth ₹65. If he still makes 24% profit, then the cost price of the item (in ₹) is:

Ans
✗ 1. 280

✗ 2. 270

✔ 3. 250

✗ 4. 320
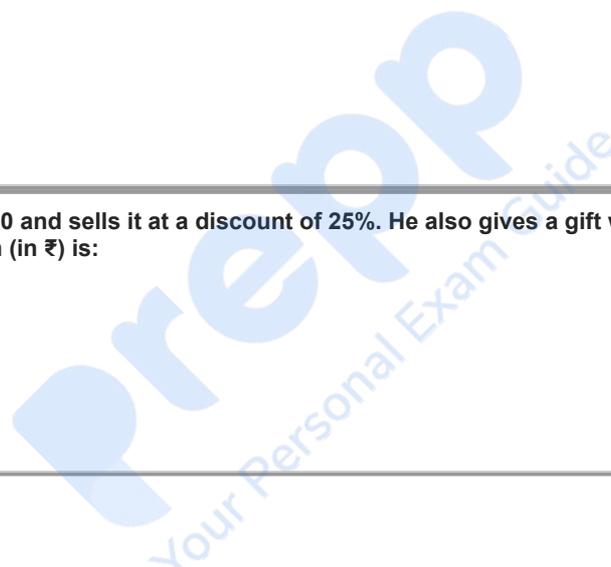
Q.49 The following bar graph shows the production of cement (in lakh tonnes) of four companies—W, X, Y, and Z—over the years.

Production of cement (in lakh tonnes)
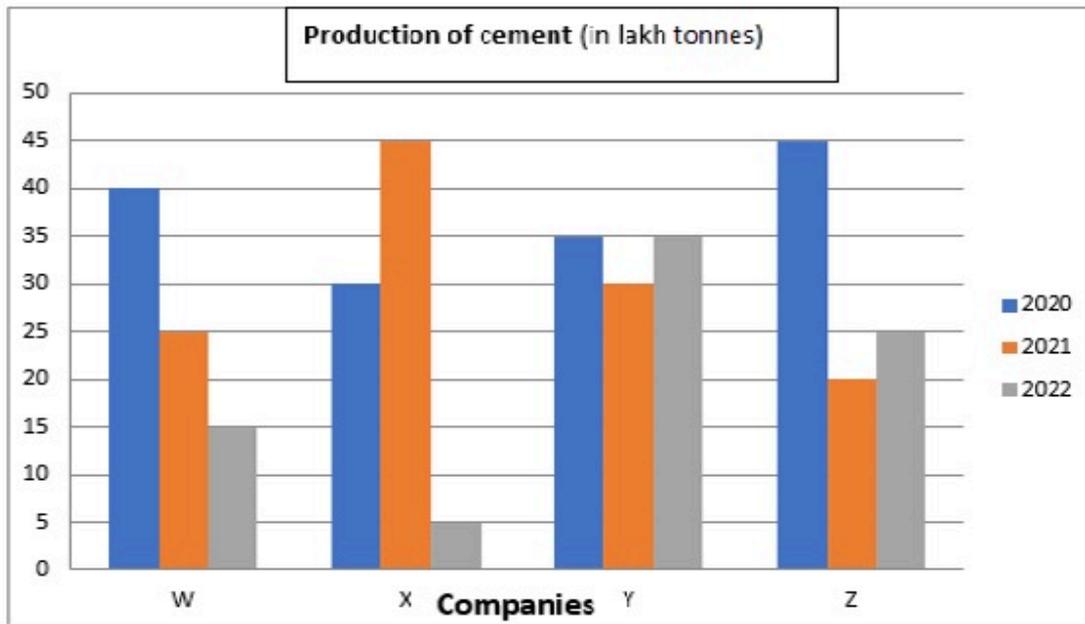
The production of cement by company X in 2020 and production of cement by company Z in 2022 together is what percentage of the production by company W in 2021?

Ans ✗ 1. 275

✗ 2. 250

✓ 3. 220

✗ 4. 180

Q.50 A scalene triangle ABC has two sides whose measures are 3.8 cm and 6 cm, respectively. Which of the following CANNOT be the measure (in cm) of its third side?

Ans ✗ 1. 3.0

✗ 2. 2.7

✗ 3. 2.4

✓ 4. 2.2

Section : **English Comprehension**

Q.1 Select the most appropriate option that can substitute the underlined words in the given sentence.
My grandmother helps us in all the problems. She has a remedy for all the diseases.

Ans ✗ 1. 'Service'

✓ 2. Panacea

✗ 3. Fanatic

✗ 4. Heretic

Q.2 Select the option that is similar in meaning to the underlined word in the following sentence.

Chameleon usually disguises itself to avoid predators.

Ans ✗ 1. transposes

✗ 2. changes

✗ 3. swaps

✓ 4. camouflages

Q.3 Select the most appropriate ANTONYM of the underlined word from the given options.
The new government allowed all the corrupt ministers to feel the <u>sufficiency</u> of money by banning the specific currency.

Ans ✓ 1. Dearth

✗ 2. Plenty

✗ 3. Enough

✗ 4. Indeficiency

Q.4 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Raveena has made / up her mind to / carried minimum / luggage with her.

Ans ✗ 1. luggage with her.

✓ 2. carried minimum

✗ 3. Raveena has made

✗ 4. up her mind to

Q.5 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'.
He is feeding <u>a male dog and female dog</u>

Ans ✗ 1. a male dog and lady dog

✗ 2. No substitution

✓ 3. a dog and a bitch

✗ 4. a dog and puppy

Q.6 Select the option that rectifies the spelling error in the given sentence.
She is going to resiev a package in the mail today.

Ans ✗ 1. recieive

✓ 2. receive

✗ 3. resieve

✗ 4. reseive

Q.7 Select the most appropriate idiom to fill in the blank.

The team always _____ to come up with unique advertisements for all its clients.

Ans ✓ 1. thinks outside the box

✗ 2. throw caution to the winds

✗ 3. take a back seat

✗ 4. turn the tables

Q.8 Choose the most appropriate meaning of the given idiom.

Back to back

Ans ✗ 1. Present and discuss the details of something.

✗ 2. Try to get something.

✓ 3. Something follows immediately after something else.

✗ 4. Do something very fast or with great energy.

Q.9 Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

I sometimes accept excess work to please my manager, so I <u>take more responsibilities than one can manage.</u>

Ans ✗ 1. burn my boats

✗ 2. get a taste of my own medicine

✓ 3. bite off more than I can chew

✗ 4. hear it straight from the horse's mouth

Q.10 Select the most appropriate meaning of the given idiom.

Make waves

Ans ✗ 1. To have patience

✓ 2. To cause difficulty

✗ 3. To take it easy

✗ 4. To give up

Q.11 Select the option that can be used as a one-word substitute for the given group of words.

Modesty or shyness resulting from a lack of self-confidence

Ans ✗ 1. Determination

✗ 2. Assurance

✗ 3. Conviction

✓ 4. Diffidence

Q.12 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.
What <u>flavour ice cream</u> do you want?

Ans ✗ 1. ice cream flavoured

✗ 2. flavours ice cream

✗ 3. No improvement required

✓ 4. flavour of ice cream

Q.13 Select the INCORRECTLY spelt word.

Ans ✗ 1. Matriculation

✗ 2. Humorous

✓ 3. Addmission

✗ 4. Prohibition

Q.14 Select the most appropriate option to substitute the underlined segment in the given sentence to make it a meaningful sentence. If no substitution is required, select 'No substitution'.

The quality of students <u>of an educational institute is of great importance and a crucial starting point</u>.

Ans ✗ 1. The quality of students in an educational institute is in great importance and a crucial starting point.

✗ 2. No substitution

✗ 3. The quality of students in an educational institute is of great importance and is a crucial start point.

✓ 4. The quality of students in an educational institute is of great importance and a crucial starting point.

Q.15 Select the most appropriate option that can substitute the highlighted words in the given sentence.

The serenity of the river was a sight to behold.

Ans ✗ 1. ready to be sold

✗ 2. inviting for boating

✗ 3. confusing for all

✓ 4. pleasant to see

Q.16 Parts of the following sentence have been given as options. Select the option that contains an error.
For the past / three years, / my uncle is /away from home.

Ans ✗ 1. three years,

✗ 2. away from home.

✗ 3. For the past

✓ 4. my uncle is

Q.17 Select the most appropriate option to fill in the blank and make the sentence the meaningful.
Rathna is known for _____ tears.

Ans ✗ 1. student's

✓ 2. crocodile

✗ 3. animal's

✗ 4. babies'

Q.18 Select the option that can be used as a one-word substitute for the given group of words.

A person who is critical of the motives of others

Ans ✓ 1. Cynic

✗ 2. Chauffeur

✗ 3. Curator

✗ 4. Interviewer

Q.19 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.
Mr. Raghav / brushes his / teeth four / times the day.

Ans ✗ 1. Mr. Raghav

✗ 2. brushes his

✗ 3. teeth four

✓ 4. times the day

Q.20 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'.
Inspite mother's milk is vital to a child's health, a number of FMCG companies wrongly advertise artificially prepared infant formulas as being the best for the child.

Ans ✗ 1. Mother's milk

✓ 2. Though mother's milk

✗ 3. No substitution

✗ 4. Despite mother's milk

Q.21 Select the most appropriate ANTONYM of the underlined word in the given sentence.

Her sarcastic comment earned a few chuckles from the audience, who understood the irony in her words.

Ans ✗ 1. Sardonic

✗ 2. Unsavoury

✗ 3. Humorous

✓ 4. Courteous

Q.22 Select the option that can be used as a one-word substitute for the given group of words.
A person who is a lover of women.

Ans ✗ 1. Monogamist

✗ 2. Misogynist

✗ 3. Philologist

✓ 4. Philogynist

Q.23 In the question four alternatives are given for the underlined word in the sentence. Choose the alternative which best expresses the opposite meaning of the word.
We embraced each other overjoyed at our success, then I took photograph of Tenzing holding aloft the flags of Great Britain, Nepal, the United Nations and India."

Ans ✓ 1. Limited

✗ 2. Cradled

✗ 3. Contained

✗ 4. Junked

Q.24 Select the INCORRECTLY spelt word.

Ans ✗ 1. Interference

✗ 2. Auditions

✗ 3. Greengrocers

✓ 4. Interogative

Q.25 Select the most appropriate meaning of the given idiom.

Spill the beans

Ans ✗ 1. To have happy period of your life

✗ 2. To be in a state of shock

✓ 3. To expose a secret

✗ 4. To have an excuse

Q.26 Select the most appropriate synonym of the given word.
Destitute

Ans ✓ 1. Broke

✗ 2. Corrupt

✗ 3. Broken

✗ 4. Firm

Q.27 Parts of the following sentences have been given as options. Select the option that contains a grammatical error.

Mr. Prabhakar was first man to arrive at the venue.

Ans ✗ 1. to arrive

✗ 2. at the venue

✓ 3. was first man

✗ 4. Mr. Prabhakar

Q.28 Select the most appropriate option that can substitute the underlined segment in the given sentence.
She asked me where my hometown is and where I worked.

Ans ✗ 1. hometown would be

✓ 2. hometown was

✗ 3. hometown were

✗ 4. hometown has been

Q.29 Select the most appropriate option that can substitute the underlined words in the given sentence.

Ice melts fastly, in the sun.

Ans ✗ 1. melt fast

✗ 2. melts fastest

✓ 3. melts fast

✗ 4. melt fastly

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

Up the ante

Ans ✗ 1. Mediocre

✓ 2. Increase demands

✗ 3. Expensive

✗ 4. Cost cutting

Q.31 Select the most appropriate ANTONYM of the underlined word in the following sentence.
The woman in the crowd broke down in <u>hysterics</u>.

Ans ✔ 1. Calm

✘ 2. Insanity

✘ 3. Cray

✘ 4. Aghast

Q.32 In the following sentence, four words are underlined, out of which one word is MISSPELT. Select the MISSPELT word.

Everyone admired her because of her <u>charesma</u>, but she was a <u>narcissist</u> full of <u>self-admiration</u> and <u>treachery</u>.

Ans ✔ 1. charesma

✘ 2. treachery

✘ 3. narcissist

✘ 4. self-admiration

Q.33 Select the most appropriate meaning of the underlined segment in the following sentence.

Don't you think that the <u>cat's in the cradle</u>? You never make time for me.

Ans ✘ 1. Busy in your work

✔ 2. Complicated relationship

✘ 3. Busy in minting money

✘ 4. Newly married life

Q.34 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.

<u>Although there is no proven data</u>, the <u>Centre for Policy Research estimate</u> that <u>India has the largest stock</u> of iron ore in the world.

Ans ✘ 1. India has the largest stock

✔ 2. Centre for Policy Research estimate

✘ 3. Although there is no proven data,

✘ 4. No error

Q.35 Select the most appropriate synonym of the word in brackets to fill in the blank.
Her million-dollar wedding was a _____ display of wealth. (pompous)

Ans ✘ 1. mock

✘ 2. prestigious

✔ 3. pretentious

✘ 4. outrageous

Q.36 Select the most appropriate synonym of the given word.
Prudent

Ans ✘ 1. Diffident

✘ 2. Precious

✘ 3. Doubtful

✔ 4. Judicious

Q.37 Select the most appropriate option to substitute the underlined part of the given sentence.
All the <u>kith and kin</u> of my deceased landlady were present to attend her funeral.

Ans ✘ 1. secret enemies

✔ 2. blood relatives

✘ 3. office colleagues

✘ 4. special students

Q.38 Select the INCORRECTLY spelt word.

Ans ✗ 1. buoyant

✓ 2. assasination

✗ 3. schedule

✗ 4. obscurity

Q.39 Parts of the following sentence have been given as options. Select the option that contains a spelling error.
Grievances cannot be redresed unless they are known.

Ans ✗ 1. are known.

✗ 2. unless they

✗ 3. Grievances cannot

✓ 4. be redresed

Q.40 Select the word from the sentence below, which is an antonym for the word 'dishearten'
Many of the world's greatest art pieces are encouraged by kings and are inspired by nature and society.

Ans ✗ 1. Inspired

✗ 2. Pieces

✗ 3. Greatest

✓ 4. Encouraged

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.

Literature is a reflection of society and often (1)_____ insight into the human experience. Through various forms like novels, poems, and plays, literature allows us to (2)_____ different emotions and perspectives. It can serve as a (3)_____ for social issues, shedding light on topics that need attention. Reading literature not only enhances our language skills but also (4)_____ empathy by helping us understand the feelings of characters. In a rapidly changing world, literature (5)_____ a timeless portal to diverse worlds and cultures.

SubQuestion No : 41

Q.41 Select the most appropriate option to fill in blank number 1.

Ans ✗ 1. denies

✗ 2. suggests

✗ 3. garnersprovides

✓ 4. offers

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.

Literature is a reflection of society and often (1)_____ insight into the human experience. Through various forms like novels, poems, and plays, literature allows us to (2)_____ different emotions and perspectives. It can serve as a (3)_____ for social issues, shedding light on topics that need attention. Reading literature not only enhances our language skills but also (4)_____ empathy by helping us understand the feelings of characters. In a rapidly changing world, literature (5)_____ a timeless portal to diverse worlds and cultures.

SubQuestion No : 42

Q.42 Select the most appropriate option to fill in blank number 2.

Ans ✗ 1. exploit

✓ 2. explore

✗ 3. exclaim

✗ 4. explain

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.

Literature is a reflection of society and often (1)_____ insight into the human experience. Through various
ms, and plays, literature allows us to (2)_____ different emotions and perspectives. It can serve as a (3)_____ shedding light on topics that need attention. Reading literature not only enhances our language skills but also (4)_____ empathy by helping us understand the feelings of characters. In a rapidly changing world, literature (5)_____ a timeless portal to diverse worlds and cultures.

SubQuestion No : 43

Q.43 Select the most appropriate option to fill in blank number 3.

Ans ✅ 1. platform

❌ 2. planking

❌ 3. plank

❌ 4. planks

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.

Literature is a reflection of society and often (1)_____ insight into the human experience. Through various forms like novels, poems, and plays, literature allows us to (2)_____ different emotions and perspectives. It can serve as a (3)_____ for social issues, shedding light on topics that need attention. Reading literature not only enhances our language skills but also (4)_____ empathy by helping us understand the feelings of characters. In a rapidly changing world, literature (5)_____ a timeless portal to diverse worlds and cultures.

SubQuestion No : 44

Q.44 Select the most appropriate option to fill in blank number 4.

Ans ❌ 1. provokes

❌ 2. withers

❌ 3. avoids

✅ 4. cultivates

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.

Literature is a reflection of society and often (1)_____ insight into the human experience. Through various forms like novels, poems, and plays, literature allows us to (2)_____ different emotions and perspectives. It can serve as a (3)_____ for social issues, shedding light on topics that need attention. Reading literature not only enhances our language skills but also (4)_____ empathy by helping us understand the feelings of characters. In a rapidly changing world, literature (5)_____ a timeless portal to diverse worlds and cultures.

SubQuestion No : 45

Q.45 Select the most appropriate option to fill in blank number 5.

Ans ❌ 1. became

❌ 2. become

✅ 3. becomes

❌ 4. becoming

Comprehension:

Read the given passage and answer the questions that follow.
Several major airlines have pledged to reach net-zero carbon emissions by mid-century to fight climate change. It's an ambitious goal that will require an enormous ramp-up in sustainable aviation fuels, but that alone won't be enough, the late
The idea of jetliners running solely on fuel made from used cooking oil from restaurants or corn stalks might not that far away.
Airlines are already experimenting with sustainable aviation fuels, including biofuels made from agriculture residues, trees, corn and used cooking oil, and synthetic fuels made with captured carbon and green hydrogen.
United Airlines, which has been using a blend of used oil or waste fat and fossil fuels on some flights from Los Angeles and Amsterdam, recently announced plans to power 50,000 flights a year between its Chicago and Denver hubs using ethanol-based sustainable aviation fuels by 2028. The airline also launched a US$100 million fund on 21 February 2023, with Air Canada, Boeing, GE Aerospace, JPMorgan Chase and Honeywell to invest in sustainable aviation fuel start-ups to expand the industry.

SubQuestion No : 46

Q.46 **What is the tone of the speaker?**

Ans ✗ 1. Casual

 ✓ 2. Hopeful

 ✗ 3. Depressing

 ✗ 4. Worried

Comprehension:

Read the given passage and answer the questions that follow.
Several major airlines have pledged to reach net-zero carbon emissions by mid-century to fight climate change. It's an ambitious goal that will require an enormous ramp-up in sustainable aviation fuels, but that alone won't be enough, the latest research shows.
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SubQuestion No : 47

Q.47 **Biofuels are not made from _____ .**

Ans ✗ 1. agricultural residue

 ✗ 2. cooking oil

 ✗ 3. trees

 ✓ 4. coal

Comprehension:

Read the given passage and answer the questions that follow.
Several major airlines have pledged to reach net-zero carbon emissions by mid-century to fight climate change. It's an ambitious goal that will require an enormous ramp-up in sustainable aviation fuels, but that alone won't be enough, the latest research shows.
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SubQuestion No : 48

Q.48 **Select the most suitable word from the passage which means 'empirical'.**

Ans ✗ 1. Ambitious

 ✓ 2. Sustained

 ✗ 3. Enormous

 ✗ 4. Latest

Comprehension:

Read the given passage and answer the questions that follow.
Several major airlines have pledged to reach net-zero carbon emissions by mid-century to fight climate change. It's an ambitious goal that will require an enormous ramp-up in sustainable aviation fuels, but that alone won't be enough, the late
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SubQuestion No : 49

Q.49 **Why have major airline companies pledged to reach net-zero carbon emissions by mid-century?**

Ans   ✗ 1. To create better revenue

    ✓ 2. To fight climate change

    ✗ 3. To moderate expenditure

    ✗ 4. To reduce traffic jam

Comprehension:

Read the given passage and answer the questions that follow.
Several major airlines have pledged to reach net-zero carbon emissions by mid-century to fight climate change. It's an ambitious goal that will require an enormous ramp-up in sustainable aviation fuels, but that alone won't be enough, the latest research shows.
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SubQuestion No : 50

Q.50 **Identify the most suitable title for the passage.**

Ans   ✗ 1. Success Story of Airline Companies

    ✗ 2. Threats of Climate Changes

    ✓ 3. One Good Turn from the Aviation Industry

    ✗ 4. Biofuels Vs Synthetic Fuels