

Direction:

**Read the following information and answer the questions that follow:**

Eight persons i.e. A, B, C, D, E, F, G, and H are sitting around a circular table but not necessarily in the same order. They all are facing towards the centre of the table. Each of them like different fruits viz. Banana, Grapes, Apple, Mango, Litchi, Pineapple, Papaya, and Kiwi.

- (i) D sits third to the right of the one who likes Apple.
- (ii) C likes Mango and sits second to the left of the one who likes Litchi.
- (iii) D does not like Litchi. D is not an immediate neighbour of C.
- (iv) D is not an immediate neighbour of the one who likes Litchi.
- (v) There are only two persons sitting between D and the one who likes the Grapes.
- (vi) Only A sits between G and H. F sits second to the left of G.
- (vii) There are only two persons sitting between the persons who like Pineapple and Banana.
- (viii) The person who likes Kiwi is not sitting opposite to the one who likes Litchi.
- (ix) The person who likes Papaya is not an immediate neighbour of the one who likes Pineapple.
- (x) The one who likes Litchi sits second to the left of E.

- Question No. 1

Who sits second to the right of the one who likes Papaya?

**Options :**

1. E
2. D
3. A
4. C
5. H

Answer : C

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(ix) The person who likes Papaya is not an immediate neighbour of the one who likes Pineapple.

(x) The one who likes Litchi sits second to the left of E.

• Question No. 2

How many persons sit between A and the one who like Kiwi if counted anticlockwise from A?

**Options :**

1. One
2. Two
3. Three
4. Four
5. No one

Answer : Two

Direction:

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(viii) The person who likes Kiwi is not sitting opposite to the one who likes Litchi.

(ix) The person who likes Papaya is not an immediate neighbour of the one who likes Pineapple.

(x) The one who likes Litchi sits second to the left of E.

• Question No. 3

Who sits exactly opposite to G?

**Options :**

1. A
2. The one who like Pineapple
3. The one who like Kiwi
4. D
5. None of these

Answer : The one who like Kiwi

Direction:

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- (ix) The person who likes Papaya is not an immediate neighbour of the one who likes Pineapple.
- (x) The one who likes Litchi sits second to the left of E.

• Question No. 4

According to the given sitting arrangement, B is related to Banana and G is related to Apple. In the same way, A is related to which of the following?

**Options :**

1. Mango
2. Pineapple
3. Kiwi
4. Litchi

5. None of these

Answer : Pineapple

Direction:

**Read the following information and answer the questions that follow:**

Eight persons i.e. A, B, C, D, E, F, G, and H are sitting around a circular table but not necessarily in the same order. They all are facing towards the centre of the table. Each of them like different fruits viz. Banana, Grapes, Apple, Mango, Litchi, Pineapple, Papaya, and Kiwi.

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(viii) The person who likes Kiwi is not sitting opposite to the one who likes Litchi.

(ix) The person who likes Papaya is not an immediate neighbour of the one who likes Pineapple.

(x) The one who likes Litchi sits second to the left of E.

- Question No. 5

If F interchanges his position with H and G interchanges his position with B, then who sits third to the right of G?

**Options :**

1. E
2. C
3. The one who likes Mango

- 4. The one who likes Pineapple
- 5. Both C and the one who likes Mango

Answer : Both C and the one who likes Mango

Direction:

**Read the given information carefully and answer the questions:**

Eight boxes P, Q, R, S, T, U, V and W are placed one above another (but not necessarily in the same order). No two boxes according to alphabetical order are placed adjacent to each other.

Only two boxes are between W and R. Box S is placed just below W. P is not placed just above and below Q. Box Q is placed above R but not at top. Only one box is placed between R and V. Box T is placed at second position either from top or from bottom.

- Question No. 6

Which of the following box is placed at top?

**Options :**

- 1. R
- 2. Q
- 3. U
- 4. P
- 5. None of these

Answer : U

Direction:

**Read the given information carefully and answer the questions:**

Eight boxes P, Q, R, S, T, U, V and W are placed one above another (but not necessarily in the same order). No two boxes according to alphabetical order are placed adjacent to each other.

Only two boxes are between W and R. Box S is placed just below W. P is not placed just above and below Q. Box Q is placed above R but not at top. Only one box is placed between R and V. Box T is placed at second position either from top or from bottom.

• Question No. 7

How many boxes are in between box T and box W?

**Options :**

1. One
2. Three
3. Four
4. Two
5. None of these

Answer : Three

Direction:

**Read the given information carefully and answer the questions:**

Eight boxes P, Q, R, S, T, U, V and W are placed one above another (but not necessarily in the same order). No two boxes according to alphabetical order are placed adjacent to each other.

Only two boxes are between W and R. Box S is placed just below W. P is not placed just above and below Q. Box Q is placed above R but not at top. Only one box is placed between R and V. Box T is placed at second position either from top or from bottom.

• Question No. 8

Which of the following box is placed just above box P?

**Options :**

1. S
2. Q
3. V
4. T
5. None of these

Answer : S

Direction:

**Read the given information carefully and answer the questions:**

Eight boxes P, Q, R, S, T, U, V and W are placed one above another (but not necessarily in the same order). No two boxes according to alphabetical order are placed adjacent to each other.

Only two boxes are between W and R. Box S is placed just below W. P is not placed just above and below Q. Box Q is placed above R but not at top. Only one box is placed between R and V. Box T is placed at second position either from top or from bottom.

- Question No. 9

Which of the following box is placed at bottom?

**Options :**

1. S
2. V
3. P
4. Q
5. None of these

Answer : V

Direction:

**Read the given information carefully and answer the questions:**

Eight boxes P, Q, R, S, T, U, V and W are placed one above another (but not necessarily in the same order). No two boxes according to alphabetical order are placed adjacent to each other.

Only two boxes are between W and R. Box S is placed just below W. P is not placed just above and below Q. Box Q is placed above R but not at top. Only one box is placed between R and V. Box T is placed at second position either from top or from bottom.

- Question No. 10

Which of the following is true regarding T?

**Options :**



1. T is placed immediately below U
2. R is just below T
3. T is at second position from bottom
4. T is placed above P
5. None of these

Answer : T is at second position from bottom

Direction:

To answer these question study carefully the following arrangement of letters, digits and symbols:

5 L % 2 T F 6 ^ D 4 \* U 1 V # O E 8 P B \$ 3 8 @ S J

- Question No. 11

How many such symbols are there in the above arrangement each of which is immediately followed by a number and immediately preceded by a vowel?

Options :

1. None
2. One
3. Two
4. Three
5. Four

Answer : None

Direction:

To answer these question study carefully the following arrangement of letters, digits and symbols:

5 L % 2 T F 6 ^ D 4 \* U 1 V # O E 8 P B \$ 3 8 @ S J

- Question No. 12

If all the numbers are dropped from the above arrangement which of the following will be sixth to the left of eighth from the right end?

Options :

1. D
2. U
3. F
4. ^
5. None of these

Answer : ^

Direction:

To answer these question study carefully the following arrangement of letters, digits and symbols:

5 L % 2 T F 6 ^ D 4 \* U 1 V # O E 8 P B \$ 3 8 @ S J

- Question No. 13

If all the symbols are dropped from the given arrangement then which of the following will be sixth to the left of the eleventh from the right end?

Options :

1. T
2. 3
3. %
4. @
5. None of these

Answer : T

Direction:

To answer these question study carefully the following arrangement of letters, digits and symbols:

5 L % 2 T F 6 ^ D 4 \* U 1 V # O E 8 P B \$ 3 8 @ S J

- Question No. 14

How many vowels are there in the above arrangement each of which is immediately followed by a Number and immediately preceded by a symbol?

Options :

1. None
2. One
3. Three
4. Four
5. Two

Answer : One

Direction:

To answer these question study carefully the following arrangement of letters, digits and symbols:

5 L % 2 T F 6 ^ D 4 \* U 1 V # O E 8 P B \$ 3 8 @ S J

- Question No. 15

Four of the following Five are alike in a certain way and hence form a group. Which is the one that does not belong to that group?

Options :

1. L25
2. D\*^
3. # E1
4. 3@\$
5. EPO

Answer : # E1

Direction:

Two statements are given in each of the following questions, followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two disregarding known facts.

- Question No. 16

Statements:

Only few chocolates are toffees.

Maximum toffees are eclairs.

**Conclusion:**

- 1) All chocolates can be eclairs.
- 2) All toffees are eclairs.

**Options :**

1. Only conclusion 1 follows.
2. Only conclusion 2 follows.
3. Either conclusion 1 or conclusion 2 follows.
4. Neither conclusion 1 or 2 follows.
5. Both conclusion 1 and 2 follow.

Answer : Only conclusion 1 follows.

Direction:

**Two statements are given in each of the following questions, followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two disregarding known facts.**

- Question No. 17

**Statements:** Very few flowers are roses. All roses are pink.

**Conclusion:** 1) Some flowers are pink. 2) Few pink are roses.

**Options :**

1. Only conclusion 1 follow.
2. Only conclusion 2 follow.
3. Either conclusion 1 or conclusion 2 follow.
4. Neither conclusion 1 or 2 follow.
5. Both conclusion 1 and 2 follow.

Answer : Both conclusion 1 and 2 follow.

Direction:

Two statements are given in each of the following questions, followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two disregarding known facts.

- Question No. 18

**Statements:** All wheels are not tyre. All wheels are black.

**Conclusion:** 1) All tyres can be black. 2) Some black are tyres.

**Options :**

1. Only conclusion 1 follow.
2. Only conclusion 2 follow.
3. Either conclusion 1 or conclusion 2 follow.
4. Neither conclusion 1 or 2 follow.
5. Both conclusion 1 and 2 follow.

Answer : Only conclusion 1 follow.

Direction:

Two statements are given in each of the following questions, followed by two conclusions numbered I and II. You have to take the given two statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the two disregarding known facts.

- Question No. 19

**Statements:** Some mobiles are androids. All telephones are androids.

**Conclusion:** 1) Few telephones are mobiles. 2) All mobiles are telephones.

**Options :**

1. Only conclusion 1 follows.
2. Only conclusion 2 follows.
3. Either conclusion 1 or conclusion 2 follows.
4. Neither conclusion 1 nor 2 follows.
5. Both conclusions 1 and 2 follow.

Answer : Neither conclusion 1 nor 2 follows.

Direction:

Study the following information carefully and answer the questions given below:

T is father of W. W is the only son of E. E is daughter of N. E is mother of G. G is sister of Y.

• Question No. 20

If P is the husband of N, then how is P related to T?

**Options :**

1. Father
2. Grandfather
3. Daughter
4. Can't be determined
5. Father-in-law

Answer : Father-in-law

Direction:

Study the following information carefully and answer the questions given below:

T is father of W. W is the only son of E. E is daughter of N. E is mother of G. G is sister of Y.

• Question No. 21

How is Y related to W?

**Options :**

1. Brother
2. Sister
3. Cousin
4. Son
5. None of these

Answer : Sister

Direction:

In these questions, a relationship between different elements is shown in the statements. Find the true conclusion from the given two conclusions and then give your answer.

• Question No. 22

Statements:  $B \geq L \geq A > C > K$ ;  $D \geq A \geq E \geq R \geq M$

Conclusions: I.  $L > R$                       II.  $L = R$

**Options :**

1. If only conclusion I is true.
2. If only conclusion II is true.
3. If both conclusion I and II are true.
4. If neither conclusion I nor conclusion II is true.
5. If either conclusion I or conclusion II is true.

Answer : If either conclusion I or conclusion II is true.

Direction:

In these questions, a relationship between different elements is shown in the statements. Find the true conclusion from the given two conclusions and then give your answer.

• Question No. 23

Statements:  $B > L \geq A \leq C < K$ ;  $D > A \geq E \geq R > M$

Conclusions: I.  $B > D$     II.  $M < K$

**Options :**

1. If only conclusion I is true.
2. If only conclusion II is true.
3. If either conclusion I or conclusion II is true.

- 4. If neither conclusion I nor conclusion II is true.
- 5. If both conclusion I and II are true.

Answer : If only conclusion II is true.

Direction:

In these questions, a relationship between different elements is shown in the statements. Find the true conclusion from the given two conclusions and then give your answer.

• Question No. 24

Statements:  $R \leq A \leq T \geq H < O$ ;  $N < M \leq R \geq I \geq G$

Conclusions: I.  $G \geq T$       II.  $O = N$

Options :

- 1. If only conclusion I is true.
- 2. If only conclusion II is true.
- 3. If either conclusion I or conclusion II is true.
- 4. If neither conclusion I nor conclusion II is true.
- 5. If both conclusion I and II are true.

Answer : If neither conclusion I nor conclusion II is true.

Direction:

In these questions, a relationship between different elements is shown in the statements. Find the true conclusion from the given two conclusions and then give your answer.

• Question No. 25

Statements:  $R \leq A \leq T \geq H < O$ ;  $N < M \leq R \geq I \geq G$

Conclusions: I.  $G \leq T$     II.  $O > N$

Options :

- 1. If only conclusion I is true.



2. If only conclusion II is true.
3. If either conclusion I or conclusion II is true.
4. If neither conclusion I nor conclusion II is true.
5. If both conclusion I and II are true.

Answer : If only conclusion I is true.

Direction:

**Study the following information carefully and answer the question given below:**

Ten persons are sitting in two rows. Suhana, Chetna, Anita, Pranav and Ankit are sitting in the row facing north and Umesh, Akshay, Ranveer, Ashish and Umang are sitting in a row facing south but not necessarily in the same order. The following information is given about them.

- (i) Person facing Anita sits to the immediate left of Ranveer and is not sitting at an extreme end.
- (ii) Ankit sits second to the left of Anita.
- (iii) Pranav is not the neighbour of Ankit.
- (iv) There is only one person sitting between Umang and Ranveer.
- (v) Person facing Umesh sits at an extreme end.
- (vi) Person Umang is facing person Chetna who sits to the immediate left of the person facing Akshay. Anita is not and immediate neighbour of Chetna.

• Question No. 26

Which of the following statement is correct?

**Options :**

1. Umesh is facing Suhana.
2. Umang is immediate right of Ranveer.
3. Ashish is sitting at one of the extreme ends.
4. Chetna is facing Umang.
5. None of these

Answer : Chetna is facing Umang.

Direction:

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- (ii) Ankit sits second to the left of Anita.
- (iii) Pranav is not the neighbour of Ankit.
- (iv) There is only one person sitting between Umang and Ranveer.
- (v) Person facing Umesh sits at an extreme end.
- (vi) Person Umang is facing person Chetna who sits to the immediate left of the person facing Akshay. Anita is not and immediate neighbour of Chetna.

- Question No. 27

Who among the following is facing Akshay?

**Options :**

1. Pranav
2. Chetna
3. Anita
4. Ankit
5. None of these

Answer : Ankit

Direction:

**Study the following information carefully and answer the question given below:**

Ten persons are sitting in two rows. Suhana, Chetna, Anita, Pranav and Ankit are sitting in the row facing north and Umesh, Akshay, Ranveer, Ashish and Umang are sitting in a row facing south but not necessarily in the same order. The following information is given about them.

- (i) Person facing Anita sits to the immediate left of Ranveer and is not sitting at an extreme end.
- (ii) Ankit sits second to the left of Anita.
- (iii) Pranav is not the neighbour of Ankit.
- (iv) There is only one person sitting between Umang and Ranveer.
- (v) Person facing Umesh sits at an extreme end.
- (vi) Person Umang is facing person Chetna who sits to the immediate left of the person facing Akshay. Anita is not and immediate neighbour of Chetna.

• Question No. 28

Who is sitting at the extreme end of the line?

**Options :**

- 1. Suhana & Akshay
- 2. Umesh & Ranveer
- 3. Umang & Pranav
- 4. Ankit & Chetna
- 5. None of these

Answer : Umang & Pranav

Direction:

**Study the following information carefully and answer the question given below:**

Ten persons are sitting in two rows. Suhana, Chetna, Anita, Pranav and Ankit are sitting in the row facing north and Umesh, Akshay, Ranveer, Ashish and Umang are sitting in a row facing south but not necessarily in the same order. The following information is given about them.

- (i) Person facing Anita sits to the immediate left of Ranveer and is not sitting at an extreme end.

- (ii) Ankit sits second to the left of Anita.
- (iii) Pranav is not the neighbour of Ankit.
- (iv) There is only one person sitting between Umang and Ranveer.
- (v) Person facing Umesh sits at an extreme end.
- (vi) Person Umang is facing person Chetna who sits to the immediate left of the person facing Akshay. Anita is not and immediate neighbour of Chetna.

• Question No. 29

How many persons are sitting between Ankit & Pranav?

Options :

- 1. three
- 2. one
- 3. two
- 4. more than three
- 5. None

Answer : two

Direction:

**Study the following information carefully and answer the question given below:**

Ten persons are sitting in two rows. Suhana, Chetna, Anita, Pranav and Ankit are sitting in the row facing north and Umesh, Akshay, Ranveer, Ashish and Umang are sitting in a row facing south but not necessarily in the same order. The following information is given about them.

- (i) Person facing Anita sits to the immediate left of Ranveer and is not sitting at an extreme end.
- (ii) Ankit sits second to the left of Anita.
- (iii) Pranav is not the neighbour of Ankit.
- (iv) There is only one person sitting between Umang and Ranveer.

(v) Person facing Umesh sits at an extreme end.

(vi) Person Umang is facing person Chetna who sits to the immediate left of the person facing Akshay. Anita is not and immediate neighbour of Chetna.

• Question No. 30

What is the position of Umang with respect to Ashish?

**Options :**

1. Second to the left
2. Immediate right
3. Third to the right
4. Third to the left
5. None of these

Answer : Third to the right

Direction:

Study the following information carefully and answer the questions given below:

Point M is 3 m to the east of point N and point L is 6 m to the west of point Q. Point Q is 10 m south of point P, which is 3 m to the east of Point O. Point M is 2 m to the north of Point L.

• Question No. 31

What is the shortest distance between Point N and Point O?

**Options :**

1. 10 m
2. 4 m
3. 7 m
4. Can't be determined
5. None of these

Answer : 10 m

Direction:

Study the following information carefully and answer the questions given below:

Point M is 3 m to the east of point N and point L is 6 m to the west of point Q. Point Q is 10 m south of point P, which is 3 m to the east of Point O. Point M is 2 m to the north of Point L.

• Question No. 32

A person starts from Point O and moves towards south, walks 3 m, turns to his left and walks further 3 m and stops at point Y. find his distance from Point Q?

Options :

- 1. 4 m
- 2. 3 m
- 3. 7 m
- 4. Can't be determined
- 5. None of these

Answer : 7 m

Direction:

Read the following information carefully and answer the questions given below.

An uncertain number of people are sitting in a straight line and all are facing north direction. A sits eighth to the left of H. B sits fourth to right of G. C sits to the immediate left of D. F sits exactly in middle of G and H. Only ten people are sitting to the left of H. only six people are sitting between C and B. Number of people between G and H is same as that of H and D. D sits third from the extreme right end of the row. Number of people between E and H is same as that of H and A.

• Question No. 33

How many persons are sitting between G and B?

Options :

- 1. One

- 2. Two
- 3. Three
- 4. Four
- 5. More than four

Answer : Three

Direction:

**Read the following information carefully and answer the questions given below.**

An uncertain number of people are sitting in a straight line and all are facing north direction. A sits eighth to the left of H. B sits fourth to right of G. C sits to the immediate left of D. F sits exactly in middle of G and H. Only ten people are sitting to the left of H. only six people are sitting between C and B. Number of people between G and H is same as that of H and D. D sits third from the extreme right end of the row. Number of people between E and H is same as that of H and A.

- Question No. 34

Who sits at the extreme right of the row?

**Options :**

- 1. D
- 2. E
- 3. H
- 4. B
- 5. None of these

Answer : E

- Question No. 35

If it is possible to make to make only one meaningful word with the first, second, five and seventh letters of the word "NEPOTISM", which of the following will be third letter of the word? If no such word can be made, give 'X' as the answer and if more than one such words can be made give 'Z' as the answer.

**Options :**

1. N
2. S
3. T
4. X
5. Z

Answer : Z

Direction:

**Simplify the following questions:**

- Question No. 36

$$35\% \text{ of } \sqrt{1225} \div 0.01 = ?^2 \div 64$$

Options :

1. 225
2. 220
3. 390
4. 280
5. 450

Answer : 280

Direction:

**Simplify the following questions:**

- Question No. 37

$$?\% \text{ of } (342.6 - 182.6) = (8)^2 + 16$$

Options :

1. 30
2. 20
3. 50
4. 25



5. None of these

Answer : 50

Direction:

**Simplify the following questions:**

- Question No. 38

$$15\% \text{ of } 340 + x\% \text{ of } 500 = 126$$

**Options :**

1. 17
2. 18
3. 14
4. 15
5. 6

Answer : 15

Direction:

**Simplify the following questions:**

- Question No. 39

$$(7.25 \times 5 \times 4) \div 5 - 4 = ?^2$$

**Options :**

1. 4
2. 5
3. 7
4. 8
5. 6

Answer : 5

Direction:

**Simplify the following questions:**

- Question No. 40

$$162 \div 13.5 \times 5.5 + 36 \times 2.5 = ?$$

**Options :**

1. 120
2. 156
3. 210
4. 280
5. 226

Answer : 156

- Question No. 41

Two trains are running on parallel lines in the same direction at the speed of 75 km/h and 39 km/h respectively. The faster train crosses a man in the slower train in 56 second. If the length of the slower train is  $\frac{4}{7}$ th of the faster train, then find the length of the slower train.

**Options :**

1. 320m
2. 322m
3. 240m
4. 185m
5. None of these

Answer : 320m

- Question No. 42

A trader wishes to gain 22% after allowing 20% discount on the marked price to his customers. What per cent higher than the cost price should he mark his goods?

**Options :**

1. 37.5%
2. 40%
3. 50%
4. 52.5%
5. None of these

Answer : 52.5%

• Question No. 43

In what time will Rs. 2000 amount to Rs. 2315.25 @ 10% compound interest payable half-yearly?

Options :

1. 2 years
2. 3 years
3.  $3\frac{1}{2}$  years
4. 4 years
5. None of these

Answer :  $3\frac{1}{2}$  years

• Question No. 44

A, B and C can complete the whole work in 30 days. A starts the work and works for 'x' days while B and C complete the remaining  $\frac{1}{2}$  of the work in 24 days, then find the value of 'x'.

Options :

1. 25 days
2. 30 days
3. 53 days
4. 40 days
5. None of these

Answer : 40 days

• Question No. 45

A scored 215 marks in an examination and B got 50 percent marks in the same examination which is 35 marks less than A. If the minimum passing marks in the examination are equivalent to 30 percent, then find the minimum passing marks in the examination?

**Options :**

1. 175
2. 99
3. 125
4. 108
5. 300

Answer : 108

Direction:

**In each of the following questions a number is missing. Find this missing number from the following alternatives.**

• Question No. 46

30 31 70 237 1012 ?

**Options :**

1. 4998
2. 5010
3. 5185
4. 4195
5. None of these

Answer : 5185

Direction:

**In each of the following questions a number is missing. Find this missing number from the following alternatives.**

• Question No. 47

21 23 32 60 125 ?

**Options :**

1. 260
2. 251
3. 246
4. 235
5. None of these

Answer : 251

Direction:

**In each of the following questions a number is missing. Find this missing number from the following alternatives.**

- Question No. 48

6 11 32 127 634 ?

**Options :**

1. 3803
2. 3388
3. 3883
4. 3838
5. None of these

Answer : 3803

Direction:

**In each of the following questions a number is missing. Find this missing number from the following alternatives.**

- Question No. 49

114 598 198 522 ? 462

**Options :**

1. 199

- 2. 333
- 3. 177
- 4. 266
- 5. None of these

Answer : 266

Direction:

**In each of the following questions a number is missing. Find this missing number from the following alternatives.**

- Question No. 50

36 35 109 536 ? 33887

**Options :**

- 1. 3768
- 2. 3778
- 3. 3668
- 4. 3786
- 5. None of these

Answer : 3768

Direction:

**Read the following information carefully and answer the questions:**

In school 'P', total teachers are 400, out of this 65% are junior teachers and rest is senior teachers. In school 'Q' total number of teachers is half of the teacher of school 'P'. In school 'Q', 40% is junior teachers. Total teachers in school 'R' is 55 less than the number of junior teachers in school 'P'. In school 'R', senior teachers are equal to the senior teachers of school 'Q'. In school 'T', total senior teachers are 100, which 20% of total teachers.

- Question No. 51

What is difference between the total number of junior teachers of school P and Q together and total number of senior teachers of school R and T together?

**Options :**

- 1. 140
- 2. 150
- 3. 120
- 4. 170
- 5. None of these

Answer : 120

Direction:

**Read the following information carefully and answer the questions:**

In school 'P', total teachers are 400, out of this 65% are junior teachers and rest is senior teachers. In school 'Q' total number of teachers is half of the teacher of school 'P'. In school 'Q', 40% is junior teachers. Total teachers in school 'R' is 55 less than the number of junior teachers in school 'P'. In school 'R', senior teachers are equal to the senior teachers of school 'Q'. In school 'T', total senior teachers are 100, which 20% of total teachers.

- Question No. 52

In school T, 60% of the junior teachers are female and 24% of the senior teachers are female. Find the total number of female teachers in school T?

**Options :**

- 1. 540
- 2. 350
- 3. 390
- 4. 264
- 5. None of these

Answer : 264

Direction:

**Read the following information carefully and answer the questions:**

In school 'P', total teachers are 400, out of this 65% are junior teachers and rest is senior teachers. In school 'Q' total number of teachers is half of the teacher of school 'P'. In school 'Q', 40% is junior teachers. Total teachers in school 'R' is 55 less than the number of junior teachers in school 'P'. In school 'R', senior teachers are equal to the senior teachers of school 'Q'. In school 'T', total senior teachers are 100, which 20% of total teachers.

- Question No. 53

In school Q, out of the total junior teachers some are married and some are unmarried. The ratio of married and unmarried teachers is 3:5. Find the number of married teachers in school Q.

**Options :**

1. 30
2. 25
3. 40
4. 56
5. None of these

Answer : 30

Direction:

**Read the following information carefully and answer the questions:**

In school 'P', total teachers are 400, out of this 65% are junior teachers and rest is senior teachers. In school 'Q' total number of teachers is half of the teacher of school 'P'. In school 'Q', 40% is junior teachers. Total teachers in school 'R' is 55 less than the number of junior teachers in school 'P'. In school 'R', senior teachers are equal to the senior teachers of school 'Q'. In school 'T', total senior teachers are 100, which 20% of total teachers.

- Question No. 54

What is average number of senior teachers of all the schools together?

**Options :**

1. 100
2. 120
3. 140
4. 135
5. None of these

Answer : 120

Direction:



Read the following information carefully and answer the questions:

In school 'P', total teachers are 400, out of this 65% are junior teachers and rest is senior teachers. In school 'Q' total number of teachers is half of the teacher of school 'P'. In school 'Q', 40% is junior teachers. Total teachers in school 'R' is 55 less than the number of junior teachers in school 'P'. In school 'R', senior teachers are equal to the senior teachers of school 'Q'. In school 'T', total senior teachers are 100, which 20% of total teachers.

- Question No. 55

Senior teachers of school P is how much more than the senior teachers of school R?

Options :

1. 18.5%
2. 20%
3. 14.25%
4. 16.66%
5. None of these

Answer : 16.66%

- Question No. 56

If a man rows at the rate of 21 kmph in still water and his rate against the current is 6 kmph, then the man's rate along the current is:

Options :

1. 23 kmph
2. 15 kmph
3. 27 kmph
4. 36 kmph
5. None of these

Answer : 36 kmph

- Question No. 57

The perimeter of a rectangle is 140 meters, and the difference between length and breadth is 20 meters. Find the area of the rectangle.

**Options :**

1. 1125 m<sup>2</sup>
2. 3200 m<sup>2</sup>
3. 1400 m<sup>2</sup>
4. 2800 m<sup>2</sup>
5. None of these

Answer : 1125 m<sup>2</sup>

- Question No. 58

A trader mixes two types of rice varieties with a cost of Rs.20 and Rs.26. If he sells the mixture of Rs.30 at 25% profit, in what ratio he mixes two types of rice varieties?

**Options :**

1. 1:2
2. 2:5
3. 3:2
4. 2:3
5. 2:1

Answer : 1:2

- Question No. 59

The average Physics marks of two sections A and B of class XI in the annual examination is 65. The average marks of Section A is 70 and that of section B is 62. The ratio of the number of students of section A and B is

**Options :**

1. 4:7
2. 6:5

3. 7:8

4. 8:9

5. 3:5

Answer : 3:5

• Question No. 60

The monthly salary of Kanchan and Kiran together is Rs.62620. The salary of Kanchan and Kiran is increased by 20% and 10% respectively then the new salary of Kiran becomes 115% of the new salary of Kanchan. What is the new salary of Kanchan?

Options :

1. Rs. 33330

2. Rs. 35880

3. Rs. 33470

4. Rs. 32568

5. None of these

Answer : Rs. 33330

Direction:

Simplify the following questions:

• Question No. 61

$$392 \div 28 \times 13 + 156 = (?)^3 + 122$$

Options :

1. 6

2. 7

3. 5

4. 4

5. None of these

Answer : 6

Direction:

**Simplify the following questions:**

- Question No. 62

$$(4/5) \text{ of } 310 \div 16 + 13.5 = ??$$

**Options :**

1. 784
2. 841
3. 1156
4. 1296
5. 2116

Answer : 841

Direction:

**Simplify the following questions:**

- Question No. 63

$$(147)^2 \div (21)^2 \times 64 \div 16 = ?$$

**Options :**

1. 196
2. 486
3. 245
4. 384
5. 75

Answer : 196

Direction:

**Simplify the following questions:**

- Question No. 64

$$\sqrt{0.49} + \sqrt{6.25} + \sqrt{1.44} + \sqrt{1.21} = ? \% \text{ of } 125$$

**Options :**

1. 4.4
2. 4
3. 3.6
4. 2
5. 5

Answer : 4.4

Direction:

**Simplify the following questions:**

- Question No. 65

$$[(246)^2 \div 82 \times ?] \div 42 = 369$$

**Options :**

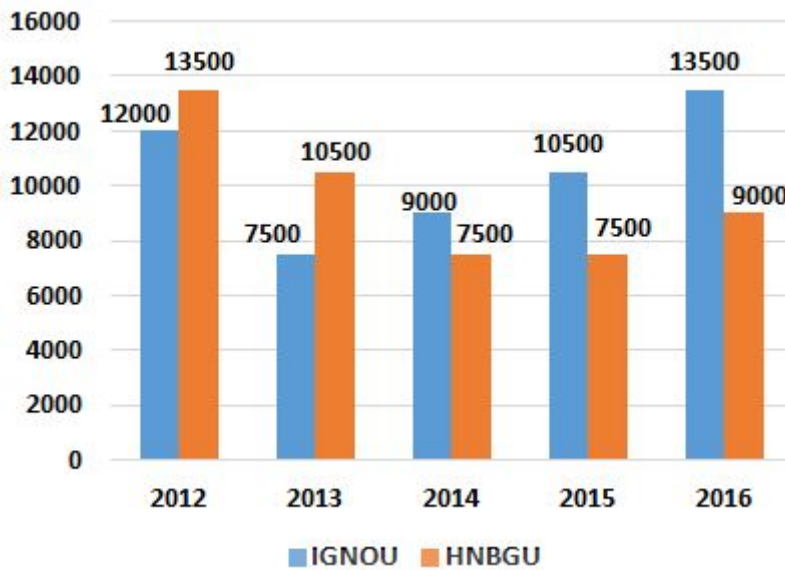
1. 22
2. 21
3. 28.75
4. 11.25
5. 24

Answer : 21

Direction:

**Study the graph carefully and answer the following questions given below:**

Number of students (in thousands) graduated from the two universities IGNOU and HNBGU.



- Question No. 66

In which year the difference between the total number of graduates in IGNOU and the total number of graduates in HNBSGU is the highest?

Options :

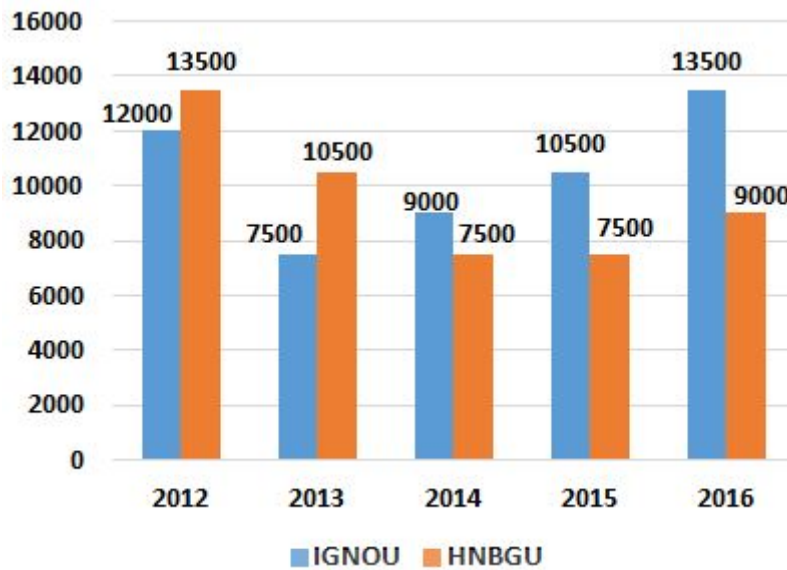
1. 2012
2. 2016
3. 2012 and 2016
4. 2015
5. None of these

Answer : 2016

Direction:

**Study the graph carefully and answer the following questions given below:**

Number of students (in thousands) graduated from the two universities IGNOU and HNBSGU.



- Question No. 67

What is average of the total number of graduates in the HNBGU?

Options :

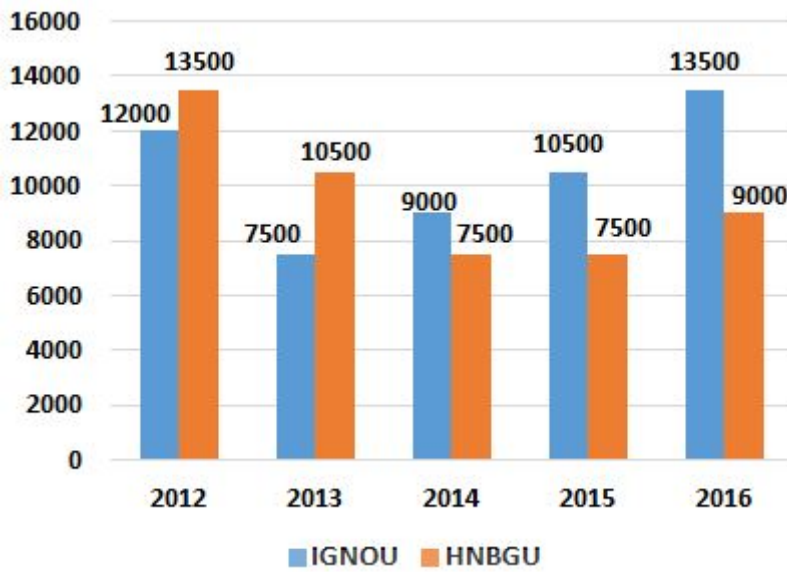
1. 6000
2. 5000
3. 8000
4. 9600
5. None of these

Answer : 9600

Direction:

**Study the graph carefully and answer the following questions given below:**

Number of students (in thousands) graduated from the two universities IGNOU and HNBGU.



- Question No. 68

Number of graduates from HNBSGU in 2013, 2014 together is approximately what percent of the total number of graduates from IGNOU in all years together?

Options :

1. 34%
2. 24%
3. 44%
4. 14%
5. None of these

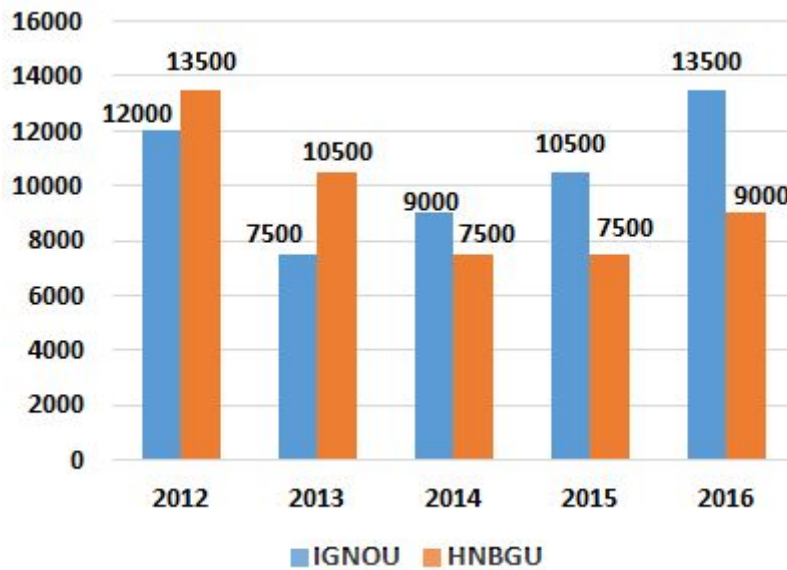
Answer : 34%

Direction:

**Study the graph carefully and answer the following questions given below:**

Number of students (in thousands) graduated from the two universities IGNOU and HNBSGU.





- Question No. 69

What is the ratio between the graduates from HNBGU in 2014, 2015 and 2016 together to the number of graduates from IGNOU in 2012, 2013 and 2014 together?

Options :

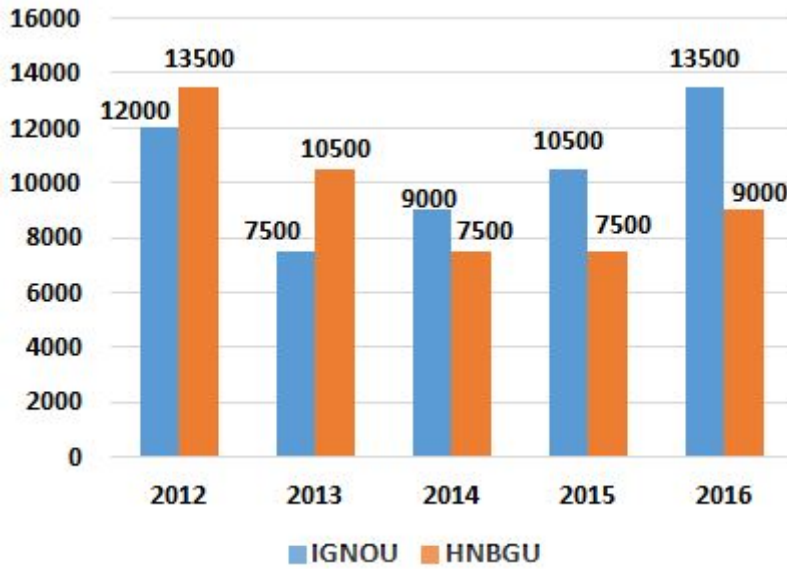
1. 11:16
2. 15:14
3. 14:15
4. 16:19
5. None of these

Answer : 16:19

Direction:

**Study the graph carefully and answer the following questions given below:**

Number of students (in thousands) graduated from the two universities IGNOU and HNBGU.



- Question No. 70

Number of graduates from IGNOU in 2012 and 2013 is approximately how much more or less than the number of graduates from HNBSGU in 2015 and 2016 together?

Options :

- 1. 17%
- 2. 18%
- 3. 19%
- 4. 15%
- 5. None of these

Answer : 18%

Direction:

In each of the questions given below, four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of words that replace each other. If the sentence is correct as it is, select 'E' as your option.

- Question No. 71

The fake **narrative** (A) media messaging is **ascendency** (B) at gaining moral **aimed** (C) over India by trying to create a fake **social** (D).

Options :

1. Only A-D
2. Both B-C and A-D
3. Only B-D
4. Both A-B and C-D
5. The sentence is correct

Answer : Both B-C and A-D

Direction:

**In each of the questions given below, four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of words that replace each other. If the sentence is correct as it is, select 'E' as your option.**

- Question No. 72

The **monitor** (A) in the cyber world has been so **comprising** (B) that New Delhi has tasked a team **severe** (C) security agencies and the military to **assault** (D) the cyber world for such messages and counter them.

Options :

1. Only A-D
2. Both A-B and C-D
3. Only B-D
4. Both A-D and B-C
5. The sentence is correct

Answer : Both A-D and B-C

Direction:

**In each of the questions given below, four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of words that replace each other. If the sentence is correct as it is, select 'E' as your option.**

- Question No. 73

The **livelihood** (A) is falling into a deep **sword** (B) of recession. The **abyss** (C) is hanging on the **economy** (D) of lakhs of Indians.

Options :

1. Only A-D
2. Both B-C and A-D
3. Only B-D
4. Both A-B and C-D
5. The sentence is correct

Answer : Both B-C and A-D

Direction:

In each of the questions given below, four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of words that replace each other. If the sentence is correct as it is, select 'E' as your option.

- Question No. 74

The objective of the **sectors** (A) was to get a sense of ground reality **slowdown** (B) the current economic , **amid** ( C ) , across various industrial **meeting** (D) of the economy.

Options :

1. Only A-D
2. Both A-B and C-D
3. Only B-D
4. Both A-D and B-C
5. The sentence is correct

Answer : Both A-D and B-C

Direction:

In the following questions, a sentence is given with three words marked as (A), (B) and (C). These words may or may not be placed at their correct places. Four options with different arrangements of these words are given. Mark the option with the correct arrangement as the answer. If no rearrangement is required, mark option '5' as your answer.

• Question No. 75

The Minister said the **decision (A)** would be **satisfaction (B)** in ensuring smooth and hassle-free **procurement (C)** to the **instrumental (D)** of the farmers.

**Options :**

1. Only A - C
2. Only B - D
3. Only C - D
4. A - B and C - D
5. No exchange required

Answer : Only B - D

Direction:

**Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If there is no error, mark the answer 5.**

• Question No. 76

The concept of ugly 1)/ and beautiful 2)/ are interchangeable 3) /and relative 4) /5)

**Options :**

1. The concept of ugly
2. and beautiful
3. are interchangeable
4. and relative
5. None of these

Answer : are interchangeable

Direction:

**Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If there is no error, mark the answer 5.**

• Question No. 77

Before of the Prime Minister's first meeting 1) / with the US President, concern 2) / had grown about the future course 3) / of the bilateral relationship. 4) / None of these 5)

**Options :**

1. Before of the Prime Minister's first meeting
2. with the US President, concern
3. had grown about the future course
4. of the bilateral relationship.
5. None of these

Answer : Before of the Prime Minister's first meeting

Direction:

**Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If there is no error, mark the answer 5.**

• Question No. 78

Water governance was articulated 1)/as an art and inherited 2) / by generation and generation 3)/ as an integral part of life 4) /None of these 5)

**Options :**

1. Water governance was articulated
2. as an art and inherited
3. by generation and generation
4. as an integral part of life
5. None of these

Answer : by generation and generation

Direction:

**Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence.**

**If there is no error, mark the answer 5.**

- Question No. 79

According to Indian philosophy, 1) / the body is 2) / like a piece of clothing only to be changed with time, 3) / but the soul remain the same 4) / None of these 5)

**Options :**

1. According to Indian philosophy,
2. the body is
3. like a piece of clothing only to be changed with time,
4. but the soul remain the same.
5. None of these

Answer : but the soul remain the same.

Direction:

**Read each sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If there is no error, mark the answer 5.**

- Question No. 80

Though the scheme is proposed to be expanded 1) / during the Twelfth Five Year Plan, 2) / the regional geriatric centers are yet to taken off 3) / because of lack of space in the identified institutions 4) / None of these 5)

**Options :**

1. Though the scheme is proposed to be expanded
2. during the Twelfth Five Year Plan,
3. the regional geriatric centers are yet to taken off
4. because of lack of space in the identified institutions
5. None of these.

Answer : the regional geriatric centers are yet to taken off

Direction:

**In questions given below, a part of the sentence is given in bold and underlined . Below are given alternatives to the bold and underlined part which may improve the sentence. Choose the correct alternative. In case no improvement**

is needed, option 5 is the answer.

- Question No. 81

Opportunity for employment is being created increasingly **by our developing plan are** implemented.

**Options :**

1. by their developing plans
2. as our development plans are
3. by our development plans
4. through our developing plans
5. No improvement required

Answer : as our development plans are

Direction:

**In questions given below, a part of the sentence is given in bold and underlined . Below are given alternatives to the bold and underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 5 is the answer.**

- Question No. 82

The **complete of education marking** a turning point in the life of every individual.

**Options :**

1. completion in education marked
2. complete education of marks
3. completion of education marks
4. complete in education marks
5. No improvement required

Answer : completion of education marks

Direction:

**In questions given below, a part of the sentence is given in bold and underlined . Below are given alternatives to the bold and underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 5 is the answer.**



- Question No. 83

He was **stunned for seeing** me waiting for him and told me that I looked very angry.

**Options :**

1. stun to see
2. stunned by see
3. stun to seeing
4. stunned to see
5. No improvement required

Answer : stunned to see

Direction:

**In questions given below, a part of the sentence is given in bold and underlined . Below are given alternatives to the bold and underlined part which may improve the sentence. Choose the correct alternative. In case no improvement is needed, option 5 is the answer.**

- Question No. 84

**He believed that an** efficiency and integrity of the administration was important to get policies and programmes implemented in the right spirit.

**Options :**

1. His belief that an
2. He believes that an
3. He believes that the
4. He believed that the
5. No improvement required

Answer : He believed that the

Direction:

**In each question below, a sentence is given with a part of it printed in bold type. That part may contain a grammatical error. Each sentence is followed by phrases 1), 2), 3) and 4). Find out which phrase should replace the phrase given in bold to correct the error, if there is any, and to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and ‘ No correction is required’ , mark 5) as the answer.**

• Question No. 85

As metro and tier-1 cities are expanding, **there are immense growth in the outskirts** of these cities.

**Options :**

1. there was immense growth in the outskirts
2. there is immense growth in the outskirts
3. there were immense growth in the outskirts
4. there had been immense growth in the outskirts
5. No correction required

Answer : there is immense growth in the outskirts

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

The steep penalties for violation of road rules that came into force on September 1 under the Motor Vehicles (Amendment) Act, 2019 have produced a (86) \_\_\_\_\_, with several State governments opting to reduce the (87) \_\_\_\_\_ of fines, or even to reject the new provisions. Gujarat has announced a (88) \_\_\_\_\_ reduction in the fines, West Bengal has refused to adopt the higher penalties, Karnataka and Kerala are studying the prospects to make the provisions less (89) \_\_\_\_\_, and others are proceeding with caution. Motorists have reacted with outrage at the (90) \_\_\_\_\_ of fines by the police, obviously upset at State governments pursuing enforcement without upgrading road infrastructure and making administrative arrangements for issue of transport documents.

Union Transport Minister Nitin Gadkari has (91) \_\_\_\_\_ that it is left to the States to choose the quantum of fines, since it is their responsibility to bring about (92) \_\_\_\_\_ and protect the lives of citizens. Mr. Gadkari's argument is valid, and the intent behind amending the Motor Vehicles Act cannot be faulted.

• Question No. 86

Choose the most appropriate answer.

**Options :**

1. whiplash
2. goulash
3. calash
4. backlash
5. backsplash

Answer : backlash

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

The steep penalties for violation of road rules that came into force on September 1 under the Motor Vehicles (Amendment) Act, 2019 have produced a (86) \_\_\_\_\_, with several State governments opting to reduce the (87) \_\_\_\_\_ of fines, or even to reject the new provisions. Gujarat has announced a (88) \_\_\_\_\_ reduction in the fines, West Bengal has refused to adopt the higher penalties, Karnataka and Kerala are studying the prospects to make the provisions less (89) \_\_\_\_\_, and others are proceeding with caution. Motorists have reacted with outrage at the (90) \_\_\_\_\_ of fines by the police, obviously upset at State governments pursuing enforcement without upgrading road infrastructure and making administrative arrangements for issue of transport documents.

Union Transport Minister Nitin Gadkari has (91) \_\_\_\_\_ that it is left to the States to choose the quantum of fines, since it is their responsibility to bring about (92) \_\_\_\_\_ and protect the lives of citizens. Mr. Gadkari's argument is valid, and the intent behind amending the Motor Vehicles Act cannot be faulted.

- Question No. 87

Choose the most appropriate answer.

**Options :**

1. Quantum
2. Magnanimous
3. Petite
4. Penalty
5. Periphery

Answer : Quantum

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

The steep penalties for violation of road rules that came into force on September 1 under the Motor Vehicles (Amendment) Act, 2019 have produced a (86)\_\_\_\_\_, with several State governments opting to reduce the (87)\_\_\_\_\_ of fines, or even to reject the new provisions. Gujarat has announced a (88)\_\_\_\_\_ reduction in the fines, West Bengal has refused to adopt the higher penalties, Karnataka and Kerala are studying the prospects to make the provisions less (89)\_\_\_\_\_, and others are proceeding with caution. Motorists have reacted with outrage at the (90)\_\_\_\_\_ of fines by the police, obviously upset at State governments pursuing enforcement without upgrading road infrastructure and making administrative arrangements for issue of transport documents.

Union Transport Minister Nitin Gadkari has (91)\_\_\_\_\_ that it is left to the States to choose the quantum of fines, since it is their responsibility to bring about (92)\_\_\_\_\_ and protect the lives of citizens. Mr. Gadkari's argument is valid, and the intent behind amending the Motor Vehicles Act cannot be faulted.

- Question No. 88

Choose the most appropriate answer.

Options :

1. Arterial
2. Negligence
3. Substantial
4. Exponential
5. Encroachment

Answer : Substantial

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

The steep penalties for violation of road rules that came into force on September 1 under the Motor Vehicles (Amendment) Act, 2019 have produced a (86)\_\_\_\_\_, with several State governments opting to reduce the (87)\_\_\_\_\_ of fines, or even to reject the new provisions. Gujarat has announced a (88)\_\_\_\_\_ reduction in the fines, West Bengal has refused to adopt the higher penalties, Karnataka and Kerala are studying the prospects to make the provisions less (89)\_\_\_\_\_, and others are proceeding with caution. Motorists have reacted with outrage at the (90)\_\_\_\_\_ of fines by the police, obviously upset at State governments pursuing enforcement without upgrading road infrastructure and making administrative arrangements for issue of transport documents.

Union Transport Minister Nitin Gadkari has (91) \_\_\_\_\_that it is left to the States to choose the quantum of fines, since it is their responsibility to bring about (92)\_\_\_\_\_ and protect the lives of citizens. Mr. Gadkari's argument is valid, and the intent behind amending the Motor Vehicles Act cannot be faulted.

• Question No. 89

Choose the most appropriate answer.

Options :

1. stringent
2. shunted
3. defunct
4. scrap
5. allied

Answer : stringent

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

The steep penalties for violation of road rules that came into force on September 1 under the Motor Vehicles (Amendment) Act, 2019 have produced a (86)\_\_\_\_\_, with several State governments opting to reduce the (87)\_\_\_\_\_ of fines, or even to reject the new provisions. Gujarat has announced a (88)\_\_\_\_\_ reduction in the fines, West Bengal has refused to adopt the higher penalties, Karnataka and Kerala are studying the prospects to make the provisions less (89)\_\_\_\_\_, and others are proceeding with caution. Motorists have reacted with outrage at the (90)\_\_\_\_\_ of fines by the police, obviously upset at State

governments pursuing enforcement without upgrading road infrastructure and making administrative arrangements for issue of transport documents.

Union Transport Minister Nitin Gadkari has (91) \_\_\_\_\_ that it is left to the States to choose the quantum of fines, since it is their responsibility to bring about (92) \_\_\_\_\_ and protect the lives of citizens. Mr. Gadkari's argument is valid, and the intent behind amending the Motor Vehicles Act cannot be faulted.

• Question No. 90

Choose the most appropriate answer.

**Options :**

1. nullify
2. vulnerable
3. articulate
4. woes
5. imposition

Answer : imposition

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

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- Question No. 91

Choose the most appropriate answer.

**Options :**

1. recede
2. susceptible
3. reiterated
4. baffled
5. lamented

Answer : reiterated

Direction:

**In the given passage, there are blanks, each of which has been numbered. Against each five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.**

The steep penalties for violation of road rules that came into force on September 1 under the Motor Vehicles (Amendment) Act, 2019 have produced a (86) \_\_\_\_\_, with several State governments opting to reduce the (87) \_\_\_\_\_ of fines, or even to reject the new provisions. Gujarat has announced a (88) \_\_\_\_\_ reduction in the fines, West Bengal has refused to adopt the higher penalties, Karnataka and Kerala are studying the prospects to make the provisions less (89) \_\_\_\_\_, and others are proceeding with caution. Motorists have reacted with outrage at the (90) \_\_\_\_\_ of fines by the police, obviously upset at State governments pursuing enforcement without upgrading road infrastructure and making administrative arrangements for issue of transport documents.

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- Question No. 92

Choose the most appropriate answer.

**Options :**

1. vanity
2. elevation
3. simulation
4. deterrence
5. retreat

Answer : deterrence

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

In the experimental study, 50 participants were brought into Scullin's Sleep Neuroscience and Cognition Laboratory at Baylor, where the research team attempted to **induce** earworms to determine how it affected sleep quality. Polysomnography -- a comprehensive test and the gold standard measurement for sleep -- was used to record the participants' brain waves, heart rate, breathing and more while they slept.

A way to get rid of an earworm is to engage in cognitive activity -- fully focusing on a task, problem or activity helps to distract your brain from earworms. Near bedtime, rather than engaging in a demanding activity or something that would disrupt your sleep, like watching TV or playing video games, Scullin suggests spending five to 10 minutes writing out a to-do list and putting thoughts to paper.

- Question No. 93

What was the purpose of Scullin's study?

**Options :**

1. to find out the relationship between music listening and sleep.



2. to investigate how earworms are related to music listening.
3. to study how sleep is disturbed by involuntary musical imagery.
4. to study how earworms could be avoided during daytime.
5. None of these

Answer : to find out the relationship between music listening and sleep.

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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- Question No. 94

How did the team conduct the study in Sleep Neuroscience and Cognition Laboratory at Baylor?

**Options :**

1. they compared the pattern of sleep of various people.
2. they analysed sleeping pattern of 50 participants during day and night.

3. they tried to induce earworms to determine how it affected sleep quality.
4. they analysed brain waves by injecting a medicine.
5. All of these

Answer : they tried to induce earworms to determine how it affected sleep quality.

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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- Question No. 95

What is polysomnography?

**Options :**

1. a standard for measuring gold.
2. the gold standard measurement and comprehensive test for sleep.
3. a comprehensive test to measure brain wave.

4. the gold standard measurement for heart rate, breathing, etc.
5. Both C and D

Answer : the gold standard measurement and comprehensive test for sleep.

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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- Question No. 96

What is suggested by Scullin to get rid of earworms?

**Options :**

1. engaging in a demanding activity
2. watching TV or playing video games instead of listening to music.
3. fully focusing on a task that distracts our brain from earworms
4. not preparing a to-do list and worrying about the next day.

5. All of these

Answer : fully focusing on a task that distracts our brain from earworms

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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• Question No. 97

Pick out the correct option regarding the sentences given below.

I. People who have experienced earworms at least once at night are six times as likely to have poor sleep quality compared to people who have never experienced earworms.

II. Earworms are common while sleeping, but the scientist found that they can also occur during day time.

**Options :**

1. Only I is true

2. Only II is true
3. Both I and II are true
4. Either I is true or II is true
5. Both I and II are false

Answer : Both I and II are false

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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• Question No. 98

Pick out the correct option regarding the sentences given below.

I. The study found that some instrumental music rather than lyrical music is more likely to lead to earworms and disrupt sleep quality.

II. Engaging in cognitive activity is one way to get rid of an earworm.

**Options :**

1. Only I is true
2. Only II is true
3. Both I and II are true
4. Either I is true or II is true
5. Both I and II are false

Answer : Both I and II are true

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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- Question No. 99

Which of the following words mean the same as the word 'disrupt'?

**Options :**

1. implement
2. imply
3. impede
4. immense
5. impose

Answer : impede

Direction:

**Read the passage and answer the following questions.**

Scullin's recent study, published in Psychological Science, investigated the relationship between music listening and sleep, focusing on a rarely-explored mechanism: involuntary musical imagery, or "earworms," when a song or tune replays over and over in a person's mind. These commonly happen while awake, but Scullin found that they also can happen while trying to sleep. People who experience earworms regularly at night -- one or more times per week -- are six times as likely to have poor sleep quality compared to people who rarely experience earworms. Surprisingly, the study found that some instrumental music is more likely to lead to earworms and **disrupt** sleep quality than lyrical music.

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- Question No. 100

Which of the following words mean the opposite as the word 'induce'?

**Options :**

1. persuade

2. precarious
3. dissolution
4. dissociation
5. dissuade

Answer : dissuade

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