

Direction:

Read the directions carefully and answer the following questions.

Eight persons I, J, K, L, M, N, O, and P are sitting around a square table facing inside not necessarily in the same order. Four of them are sitting on the corners and other four on the sides.

N sits on one of the sides. Two persons sit between N and I. Three person sit between I and O. L sits immediate right of I and immediate left of K respectively. P sits immediate right of M, who is an immediate neighbour of O.

• Question No. 1

Who among the following sits immediate left of J?

Options :

1. L
2. O
3. M
4. P
5. N

Answer : P

Direction:

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N sits on one of the sides. Two persons sit between N and I. Three person sit between I and O. L sits immediate right of I and immediate left of K respectively. P sits immediate right of M, who is an immediate neighbour of O.

• Question No. 2

Who among the following sits immediate right of O

Options :

1. L
2. O
3. M
4. P
5. N

Answer : M

Direction:

Read the directions carefully and answer the following questions.

Eight persons I, J, K, L, M, N, O, and P are sitting around a square table facing inside not necessarily in the same order. Four of them are sitting on the corners and other four on the sides.

N sits on one of the sides. Two persons sit between N and I. Three persons sit between I and O. L sits immediate right of I and immediate left of K respectively. P sits immediate right of M, who is an immediate neighbour of O.

- Question No. 3

Find the odd one out.

Options :

1. L
2. M
3. N
4. O
5. J

Answer : O

Direction:

Read the directions carefully and answer the following questions.

Eight persons I, J, K, L, M, N, O, and P are sitting around a square table facing inside not necessarily in the same order. Four of them are sitting on the corners and other four on the sides.

N sits on one of the sides. Two persons sit between N and I. Three persons sit between I and O. L sits immediate right of I and immediate left of K respectively. P sits immediate right of M, who is an immediate neighbour of O.

- Question No. 4

Who among the following sits third to the right of K?

Options :

1. P
2. J
3. O
4. M
5. N

Answer : M

Direction:

Read the directions carefully and answer the following questions.

Eight persons I, J, K, L, M, N, O, and P are sitting around a square table facing inside not necessarily in the same order. Four of them are sitting on the corners and other four on the sides.

N sits on one of the sides. Two persons sit between N and I. Three persons sit between I and O. L sits immediate right of I and immediate left of K respectively. P sits immediate right of M, who is an immediate neighbour of O.

- Question No. 5

How many persons are sitting between M and K when counted in clockwise direction starting with M?

Options :

1. One
2. Two
3. Three
4. Four
5. Five

Answer : Two

Direction:

Read the directions carefully and answer the following questions.

Eight boxes I, J, K, L, M, N, O and P are placed in a vertical arrangement not necessarily in the same order.

O does not live below J. Box K is placed above Box M. Two boxes are placed between I and O. Box N is placed just above Box P. Box J is placed two boxes below I. Three boxes are placed between I and L, which is placed below I.

• Question No. 6

Which of the following box is placed exactly below the topmost box?

Options :

1. M
2. J
3. N
4. K
5. L

Answer : N

Direction:

Read the directions carefully and answer the following questions.

Eight boxes I, J, K, L, M, N, O and P are placed in a vertical arrangement not necessarily in the same order.

O does not live below J. Box K is placed above Box M. Two boxes are placed between I and O. Box N is placed just above Box P. Box J is placed two boxes below I. Three boxes are placed between I and L, which is placed below I.

• Question No. 7

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

Options :

1. M
2. J
3. N
4. K
5. L

Answer : M

Direction:

Read the directions carefully and answer the following questions.

Eight boxes I, J, K, L, M, N, O and P are placed in a vertical arrangement not necessarily in the same order.

O does not live below J. Box K is placed above Box M. Two boxes are placed between I and O. Box N is placed just above Box P. Box J is placed two boxes below I. Three boxes are placed between I and L, which is placed below I.

• Question No. 8

Which of the following box is placed immediately above M?

Options :

1. M
2. J
3. N
4. K
5. L

Answer : J

Direction:

Read the directions carefully and answer the following questions.

Eight boxes I, J, K, L, M, N, O and P are placed in a vertical arrangement not necessarily in the same order.

O does not live below J. Box K is placed above Box M. Two boxes are placed between I and O. Box N is placed just above Box P. Box J is placed two boxes below I. Three boxes are placed between I and L, which is placed below I.

• Question No. 9

Equal number of boxes are placed above I as below which of the following box?

Options :

1. M

- 2. J
- 3. N
- 4. K
- 5. L

Answer : K

Direction:

Read the directions carefully and answer the following questions.

Eight boxes I, J, K, L, M, N, O and P are placed in a vertical arrangement not necessarily in the same order.

O does not live below J. Box K is placed above Box M. Two boxes are placed between I and O. Box N is placed just above Box P. Box J is placed two boxes below I. Three boxes are placed between I and L, which is placed below I.

- Question No. 10

Which of the following box is placed immediately below L?

Options :

- 1. M
- 2. J
- 3. N
- 4. K
- 5. None

Answer : None

Direction:

In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and Select the appropriate answer:

- Question No. 11

Statement : B

Conclusion :

- (i) $E > C$

(ii) $E > A$

Options :

1. If only conclusion I follows.
2. If only conclusion II follows.
3. If either conclusion I or II follows.
4. If neither conclusion I nor II follows.
5. If both conclusions I and II follow.

Answer : If only conclusion II follows.

Direction:

In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and Select the appropriate answer:

- Question No.12

Statement: $U \geq T > V, Z \geq Y \geq X > W$

Conclusion :

(i) U

(ii) $Y > V$

Options :

1. If only conclusion I follows.
2. If only conclusion II follows.
3. If either conclusion I or II follows.
4. If neither conclusion I nor II follows.
5. If both conclusions I and II follow.

Answer : If neither conclusion I nor II follows.

Direction:

In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and Select the appropriate answer:

- Question No. 13

Statement: $D > A, F \geq E \leq D$

Conclusion :

(i) $B \geq E$

(ii) $A > D$

Options :

1. If only conclusion I follows.
2. If only conclusion II follows.
3. If either conclusion I or II follows.
4. If neither conclusion I nor II follows.
5. If both conclusions I and II follow.

Answer : If neither conclusion I nor II follows.

Direction:

In these questions, relationship between different elements is show in the statements. The statements are followed by conclusions. Study the conclusions based on the given statements and Select the appropriate answer:

- Question No. 14

Statement: $I > J \geq K \geq L = M$

Conclusion:

(i) $M > P$

(ii) I

Options :

1. If only conclusion I follows.
2. If only conclusion II follows.
3. If either conclusion I or II follows.
4. If neither conclusion I nor II follows.

5. If both conclusions I and II follow.

Answer : If neither conclusion I nor II follows.

Direction:

Study the following information and answer the questions given below:

An Uncertain number of persons sit in a row and all face north. C sits fifth from left end of the row. Only six persons sit between C and E. H sits immediate right of E and fourth to the right of F. B is an immediate neighbour of C and sits fifth to the right of A. Three persons sit between H and I who is third from one of the extreme ends. The number of persons sit between E and G is same as the number of persons sit between D and E. D is in the left of G who is an immediate neighbour of I.

- Question No. 15

Who among the following sits at the rightmost end?

Options :

1. I
2. G
3. A
4. E
5. None

Answer : None

Direction:

Study the following information and answer the questions given below:

An Uncertain number of persons sit in a row and all face north. C sits fifth from left end of the row. Only six persons sit between C and E. H sits immediate right of E and fourth to the right of F. B is an immediate neighbour of C and sits fifth to the right of A. Three persons sit between H and I who is third from one of the extreme ends. The number of persons sit between E and G is same as the number of persons sit between D and E. D is in the left of G who is an immediate neighbour of I.

- Question No. 16

How many places are occupied between C and F?

Options :

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

Answer : Two

Direction:

Study the following information and answer the questions given below:

An Uncertain number of persons sit in a row and all face north. C sits fifth from left end of the row. Only six persons sit between C and E. H sits immediate right of E and fourth to the right of F. B is an immediate neighbour of C and sits fifth to the right of A. Three persons sit between H and I who is third from one of the extreme ends. The number of persons sit between E and G is same as the number of persons sit between D and E. D is in the left of G who is an immediate neighbour of I.

- Question No. 17

Find the total number of places in the given sitting arrangement?

Options :

1. 16
2. 15
3. 17
4. 19
5. 20

Answer : 19

Direction:

Study the following information and answer the questions given below:

An Uncertain number of persons sit in a row and all face north. C sits fifth from left end of the row. Only six persons sit between C and E. H sits immediate right of E and fourth to the right of F. B is an immediate neighbour of C and sits fifth to the right of A. Three persons sit between H and I who is third from one of the extreme ends. The number of persons sit between E and G is same as the number of persons sit between D and E. D is in the left of G who is an immediate neighbour of I.

- Question No. 18

Who sits third to the left of G?

Options :

1. C
2. B
3. H
4. G
5. A

Answer : H

Direction:

Study the following information and answer the questions given below:

An Uncertain number of persons sit in a row and all face north. C sits fifth from left end of the row. Only six persons sit between C and E. H sits immediate right of E and fourth to the right of F. B is an immediate neighbour of C and sits fifth to the right of A. Three persons sit between H and I who is third from one of the extreme ends. The number of persons sit between E and G is same as the number of persons sit between D and E. D is in the left of G who is an immediate neighbour of I.

- Question No. 19

Find the odd one out.

Options :

1. C
2. B

3. H

4. G

5. A

Answer : A

Direction:

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

There are six members Prakash, Amina, Rahul, Sikandar, Trisha and Urmila in a family. Prakash is father of Sikandar and Trisha. Sikandar is not a daughter of Prakash and both Sikandar and Trisha are unmarried. Trisha is daughter of Amina. Rahul and Urmila are brother-in-law and sister-in-law of Amina and Prakash.

- Question No. 20

How many male members are in the family?

Options :

1. One

2. Two

3. Three

4. Can't be determined

5. None of the above

Answer : Three

Direction:

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

There are six members Prakash, Amina, Rahul, Sikandar, Trisha and Urmila in a family. Prakash is father of Sikandar and Trisha. Sikandar is not a daughter of Prakash and both Sikandar and Trisha are unmarried. Trisha is daughter of Amina. Rahul and Urmila are brother-in-law and sister-in-law of Amina and Prakash.

- Question No. 21

Who is son of Amina?

Options :

1. Rahul
2. Prakash
3. Sikandar
4. Trisha
5. Urmila

Answer : Sikandar

Direction:

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

There are six members Prakash, Amina, Rahul, Sikandar, Trisha and Urmila in a family. Prakash is father of Sikandar and Trisha. Sikandar is not a daughter of Prakash and both Sikandar and Trisha are unmarried. Trisha is daughter of Amina. Rahul and Urmila are brother-in-law and sister-in-law of Amina and Prakash.

- Question No. 22

How is Rahul related to Trisha?

Options :

1. Brother
2. Brother in law
3. Father
4. Grandfather
5. Uncle

Answer : Uncle

Direction:

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

- Question No. 23

Statement :

All Boy are Girl.

Some Girl are Uncle.

Only Uncle are Aunt.

Conclusion :

(i) Some Aunt are Boy is a possibility.

(ii) All Aunt are Boy.

(iii) No Girl is Aunt.

Options :

1. Only conclusion (i) follow
2. Only conclusion (ii) follow
3. Only conclusion (iii) follow
4. None follows
5. Either conclusion (i) or (ii) follow

Answer : Only conclusion (iii) follow

Direction:

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

- Question No. 24

Statement:

Some X are Y

Some Y are Z

Some Z are W.

Conclusion:

(i) All X are Z is a possibility.

(ii) No Y is W.

Options :

1. Only conclusion (i) follow
2. Only conclusion (ii) follow
3. Neither conclusion (i) or (ii) follow
4. Either conclusion (i) or (ii) follow
5. None of these

Answer : Only conclusion (i) follow

Direction:

In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even, if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts

- Question No. 25

Statement:

Only a few songs are music.

No music is singer.

A few singers are actor.

Conclusion:

I. Some songs are not music.

II. Some music is not song.

III. All actor are singer.

Options :

1. Only I follow
2. Only II follow
3. Both I and II follow
4. None follow
5. Only III follow

Answer : Only I follow

Direction:

Read the directions carefully and answer the following questions:

"Night Star At Shine" is coded as "KB KC KA KD"

"Move Planets And Shine" is coded as "KD KE KF KG"

"Sun And Shine Planets" is coded as "KH KG KF KD"

"Planets At Axis" is coded as "KI KF KC"

"Move At Star Night" is coded as "KA KB KC KE"

- Question No. 26

What is the code for "At"?

Options :

1. KD
2. KC
3. KE
4. KA
5. KB

Answer : KC

Direction:

Read the directions carefully and answer the following questions:

"Night Star At Shine" is coded as "KB KC KA KD"

"Move Planets And Shine" is coded as "KD KE KF KG"

"Sun And Shine Planets" is coded as "KH KG KF KD"

"Planets At Axis" is coded as "KI KF KC"

"Move At Star Night" is coded as "KA KB KC KE"

- Question No. 27

What is the code for "Sun"?

Options :

1. KD
2. KH
3. KE
4. KA
5. KB

Answer : KH

Direction:

Read the directions carefully and answer the following questions:

"Night Star At Shine" is coded as "KB KC KA KD"

"Move Planets And Shine" is coded as "KD KE KF KG"

"Sun And Shine Planets" is coded as "KH KG KF KD"

"Planets At Axis" is coded as "KI KF KC"

"Move At Star Night" is coded as "KA KB KC KE"

- Question No. 28

What is the code for "Night"?

Options :

1. KA
2. KB
3. Either KA or KB
4. Neither KA nor KB
5. None of these

Answer : Either KA or KB

- Question No. 29

Find which one of the given words can be made from the letters of the given word.

'REPLENISHMENT'

Options :

1. SHEEP
2. TASTE
3. SHAPE
4. MELTED
5. NICE

Answer : SHEEP

- Question No. 30

Find out the odd word/letters/number/number pair from the given alternatives.

Options :

1. 1728
2. 3375
3. 256
4. 4913
- 5.

Answer : 256

Direction:

Study the alphanumeric series carefully and answer the following questions:

E1B5\$C~H918LG|34-6&KY^M@FP7*U%TA2

- Question No. 31

How many prime numbers are immediately just followed by a symbol?

Options :

1. One
2. Two
3. Three
4. Four
5. Five

Answer : Two

Direction:

Study the alphanumeric series carefully and answer the following questions:

E 1 B 5 \$ C ~ H 9 1 8 L G | 3 4 - 6 & K Y ^ M @ F P 7 * U % T A 2

- Question No. 32

How many alphabets are immediately followed by a number and immediately preceded by a symbol?

Options :

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

Answer : One

Direction:

Study the alphanumeric series carefully and answer the following questions:

E 1 B 5 \$ C ~ H 9 1 8 L G | 3 4 - 6 & K Y ^ M @ F P 7 * U % T A 2

- Question No. 33

Find the odd pair out.

Options :

1. E 1 B
2. ~ H 9
3. G | 3
4. & K Y
5. F P U

Answer : F P U

Direction:

Study the alphanumeric series carefully and answer the following questions:

E 1 B 5 \$ C ~ H 9 1 8 L G | 3 4 - 6 & K Y ^ M @ F P 7 * U % T A 2

- Question No. 34

What is the sum of first prime number from the left end and second even number from the right end?

Options :

1. 3
2. 9
3. 8
4. 11
5. 7

Answer : 11

Direction:

Study the alphanumeric series carefully and answer the following questions:

E 1 B 5 \$ C ~ H 9 1 8 L G | 3 4 - 6 & K Y ^ M @ F P 7 * U % T A 2

- Question No. 35

Which of the following is third element to the left of the third number from the right end?

Options :

1. T
2. C
3. *
4. 3
5. %

Answer : 3

Direction:

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

Eight persons A, B, C, D, E, F, G and H are working in a multinational company on different designations but not necessarily in the same order. The designations are in decreasing order such as Chief Executive officer (CEO), Chief Technology Officer (CTO), Chief Marketing Officer (CMO), Chief Financial Officer (CFO), Product Manager, Sales Manager, Operations Manager and Trainee where Chief Executive officer (CEO) is the senior most designated person and Trainee is the junior most designated person.

Only three persons are designated between D and A. F is senior to G but junior to H, who is not immediately junior to B. B is three persons senior to E. The number of persons senior to C is the same as the number of persons junior to D. Only one person is designated between E and C, who is not senior to E.

• Question No. 36

Who among the following is the senior most?

Options :

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

Answer : D

Direction:

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

Eight persons A, B, C, D, E, F, G and H are working in a multinational company on different designations but not necessarily in the same order. The designations are in decreasing order such as Chief Executive officer (CEO), Chief Technology Officer (CTO), Chief Marketing Officer (CMO), Chief Financial Officer (CFO), Product Manager, Sales Manager, Operations Manager and Trainee where Chief Executive officer (CEO) is the senior most designated person and Trainee is the junior most designated person.

Only three persons are designated between D and A. F is senior to G but junior to H, who is not immediately junior to B. B is three persons senior to E. The number of persons senior to C is the same as the number of persons junior to D. Only one person is designated between E and C, who is not senior to E.

• Question No. 37

Who among the following is the junior most?

Options :

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

Answer : C

Direction:

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

Eight persons A, B, C, D, E, F, G and H are working in a multinational company on different designations but not necessarily in the same order. The designations are in decreasing order such as Chief Executive officer (CEO), Chief Technology Officer (CTO), Chief Marketing Officer (CMO), Chief Financial Officer (CFO), Product Manager, Sales Manager, Operations Manager and Trainee where Chief Executive officer (CEO) is the senior most designated person and Trainee is the junior most designated person.

Only three persons are designated between D and A. F is senior to G but junior to H, who is not immediately junior to B. B is three persons senior to E. The number of persons senior to C is the same as the number of persons junior to D. Only one person is designated between E and C, who is not senior to E.

- Question No. 38

Who among the following is just junior to CFO?

Options :

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

Answer : A

Direction:

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

Eight persons A, B, C, D, E, F, G and H are working in a multinational company on different designations but not necessarily in the same order. The designations are in decreasing order such as Chief Executive officer (CEO), Chief Technology Officer (CTO), Chief Marketing Officer (CMO), Chief Financial Officer (CFO), Product Manager, Sales Manager, Operations Manager and Trainee where Chief Executive officer (CEO) is the senior most designated person and Trainee is the junior most designated person.

Only three persons are designated between D and A. F is senior to G but junior to H, who is not immediately junior to B. B is three persons senior to E. The number of persons senior to C is the same as the number of persons junior to D. Only one person is designated between E and C, who is not senior to E.

- Question No. 39

Who among the following is just senior to CMO?

Options :

1. H
2. C
3. D
4. G

5. A

Answer : H

Direction:

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

Eight persons A, B, C, D, E, F, G and H are working in a multinational company on different designations but not necessarily in the same order. The designations are in decreasing order such as Chief Executive officer (CEO), Chief Technology Officer (CTO), Chief Marketing Officer (CMO), Chief Financial Officer (CFO), Product Manager, Sales Manager, Operations Manager and Trainee where Chief Executive officer (CEO) is the senior most designated person and Trainee is the junior most designated person.

Only three persons are designated between D and A. F is senior to G but junior to H, who is not immediately junior to B. B is three persons senior to E. The number of persons senior to C is the same as the number of persons junior to D. Only one person is designated between E and C, who is not senior to E.

- Question No. 40

Find the correctly matched.

Options :

1. CEO – H
2. CTO – D
3. CMO – B
4. CFO – A
5. PM - F

Answer : CMO – B

- Question No. 41

Height of a cylindrical vessel is equal to side of a square, whose area is 324cm^2 . Radius of cylindrical vessel is equal to average of radius of a sphere and hemisphere. If ratio between the radius of hemisphere and that of the sphere is 2:1 and difference between their total surface area is 1232 cm^2 , then find volume of cylindrical vessel?

Options :

1. 6769 cm³
2. 6412 cm³
3. 6335 cm³
4. 6237cm³
5. None of these

Answer : 6237cm³

• Question No. 42

Average marks scored by Vineet in five subjects are 80. The average marks scored by him (excluding his highest and lowest marks) are 72 and lowest marks scored by him are 54. Find the highest marks scored by him.

Options :

1. 150
2. 180
3. 110
4. 130
5. None of these

Answer : 130

Direction:

The table given below shows the number of items (Computer, Phone and Laptop) are manufactured in three months (Jan, Feb and March).

	Computers	Phones	laptops
January	80	60	50
February	40	90	60
March	65	100	30

- Question No. 43

Total number of Computer and phones manufactured in March month are how much more than the total number of computer and Laptops are manufactured in January?

Options :

1. 42
2. 52
3. 35
4. 65
5. none of these

Answer : 35

Direction:

The table given below shows the number of items (Computer, Phone and Laptop) are manufactured in three months (Jan, Feb and March).

	Computers	Phones	laptops
January	80	60	50
February	40	90	60
March	65	100	30

- Question No. 44

Find the total numbers of all three items manufactured in February is approximately what percent less than that of total number of all three items manufactured in March

Options :

1. 2.5%
2. 4.5%

- 3. 5.5%
- 4. 6.6%
- 5. none of these

Answer : 2.5%

Direction:

The table given below shows the number of items (Computer, Phone and Laptop) are manufactured in three months (Jan, Feb and March).

	Computers	Phones	laptops
January	80	60	50
February	40	90	60
March	65	100	30

- Question No. 45

Find the ratio of total number of Computer and Phones are manufactured in January to total number of Phones and Laptops are manufactured in February.

Options :

- 1. 14:15
- 2. 15:13
- 3. 21:22
- 4. 9:5
- 5. none of these

Answer : 14:15

Direction:

The table given below shows the number of items (Computer, Phone and Laptop) are manufactured in three months (Jan, Feb and March).

	Computers	Phones	laptops
January	80	60	50
February	40	90	60
March	65	100	30

- Question No. 46

What will be the total number of Computer, Phone and Laptops Manufactured in January?

Options :

1. 220
2. 210
3. 200
4. 190
5. none of these

Answer : 190

Direction:

The table given below shows the number of items (Computer, Phone and Laptop) are manufactured in three months (Jan, Feb and March).

	Computers	Phones	laptops
January	80	60	50
February	40	90	60
March	65	100	30

- Question No. 47

Find average number of Phones manufactured in February and in March is what percent of total number of Computer manufactured in January.

Options :

1. 132.25%
2. 108.75%
3. 118.75%
4. 120.75%
5. none of these

Answer : 118.75%

Direction:

What will come in the place of question mark (?) in the given expression?

- Question No. 48

$$(200 \times 10 \div 25 + 895) \div 5 = ?$$

Options :

1. 121
2. 131
3. 191
4. 195
5. None of these

Answer : 195

Direction:

What will come in the place of question mark (?) in the given expression?

- Question No. 49

$$54\% \text{ of } 250 = 6 \times 21 + \sqrt{?}$$

Options :

1. 61
2. 71
3. 81
4. 91
5. 101

Answer : 81

Direction:

What will come in the place of question mark (?) in the given expression?

- Question No. 50

$$675 \div 15 + 225 - 18 \times 6 = ?$$

Options :

1. 142
2. 162
3. 135
4. 113
5. 153

Answer : 162

Direction:

What value should come in place of (?) in the following questions?

- Question No. 51

$$?\% \text{ of } 120 \times \sqrt[3]{343} = 42 \times 20$$

Options :

1. 300
2. 400
3. 100
4. 200

5. None of these

Answer : 100

Direction:

What value should come in place of (?) in the following questions?

- Question No. 52

$$?^2 = \sqrt{20.25 \times 10} + \sqrt{16} + 32$$

Options :

1. 9
2. 6
3. 16
4. 12
5. 15

Answer : 9

Direction:

What value should come in place of (?) in the following questions?

- Question No. 53

$$? = (\sqrt{784} - \sqrt{361}) + 10^2 - \sqrt[3]{512}$$

Options :

1. 103
2. 100
3. 105
4. 101
5. 108

Answer : 101

Direction:

What value should come in place of (?) in the following questions?

- Question No. 54

$$5234 + 1562 + 2359 - 5893 = 3167 - 121 + ?^3$$

Options :

1. 10
2. 20
3. 6
4. 25
5. none of these

Answer : 6

Direction:

What value should come in place of (?) in the following questions?

- Question No. 55

$$(\sqrt{7225} \times \sqrt{1225}) / (\sqrt{625}) = ?$$

Options :

1. 127
2. 119
3. 130
4. 133
5. none of these

Answer : 119

Direction:

What value should come in place of (?) in the following questions?

- Question No. 56

$$(18^2 - 17^2) \times (1/5) + ? = 148$$

Options :

1. 141
2. 135
3. 145
4. 130
5. none of these

Answer : 141

Direction:

What value should come in place of the question mark (?) in the following question?

- Question No. 57

$$\sqrt{2809} - \sqrt{2209} + \sqrt{9261} = \sqrt{?}$$

Options :

1. 529
2. 484
3. 400
4. 729
5. none of these

Answer : 729

Direction:

What value should come in place of the question mark (?) in the following question

- Question No. 58

$$\{(1360 \div 20) + (128 \times 1.5)\} \div 4 = ? \div 5$$

Options :

1. 300
2. 350

- 3. 325
- 4. 450
- 5. none of these

Answer : 325

Direction:

What will come in place of question mark (?)

- Question No. 59

$$(\% \text{ of } 450)/(95 \times 23) = 162/(19 \times 115)$$

Options :

- 1. 36
- 2. 39
- 3. 25
- 4. 15
- 5. none of these

Answer : 36

Direction:

What value should come in place of the question mark (?) in the following question?

- Question No. 60

$$(225 \div 25) \times (729 \div 27) = (? + \sqrt{256}) + 50\% \text{ of } 1700$$

Options :

- 1. 523
- 2. -623
- 3. 623
- 4. -523
- 5. none of these

Answer : -623

Direction:

What value should come in place of the question mark (?) in the following question?

- Question No. 61

$$(2/9) \text{ of } 414 + (3/7) \text{ of } 259 = ?$$

Options :

1. 200
2. 203
3. 207
4. 212
5. none of these

Answer : 203

Direction:

What value should come in place of the question mark (?) in the following question?

- Question No. 62

$$(44)^2 - (18)^2 + (21)^2 = ?$$

Options :

1. 2038
2. 2009
3. 2053
4. 2023
5. none of these

Answer : 2053

Direction:

What should come in place of question mark (?) in the following number series?

- Question No. 63

226 231 466 ? 5606 28031

Options :

1. 1401
2. 1242
3. 1331
4. 1421
- 5.

Answer : 1401

Direction:

What should come in place of the question mark (?) in the following number series?

- Question No. 64

3 2 10 ? 17 16

Options :

1. 17
2. 9
3. 14
4. 12
- 5.

Answer : 9

Direction:

What should come in place of question mark (?) in the following number series?

- Question No. 65

25 25 37.5 ? 328.125 1804.6875

Options :

1. 102.75
2. 122.75
3. 93.75
4. 126
- 5.

Answer : 93.75

Direction:

What should come in place of the question mark (?) in the following number series?

- Question No. 66

10 11 12 20 24 ?

Options :

1. 51
2. 41
3. 61
4. 71
5. None of these

Answer : 51

Direction:

Find the value of (?) in the following number series.

- Question No. 67

12, 7, 9, 22, 96, ?

Options :

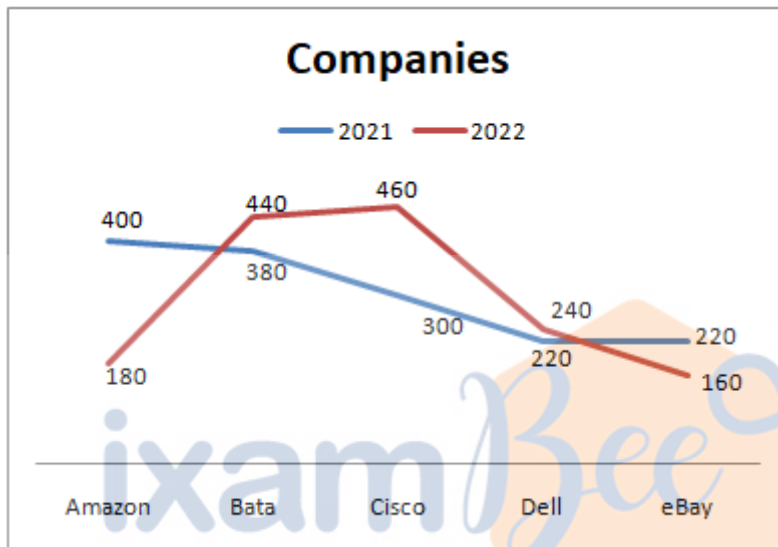
1. 784
2. 560
3. 765
4. 999

5. none of these

Answer : 784

Direction:

Study the line graph and answer the following questions The graph shows that the total profits of five companies – Amazon(A), Bata(B), Cisco(C), Dell(D) and eBay(E) during the years 2021 and 2022 (in hundreds (00's)).



Formula :-

1. Revenue – expenditure = Profit

2. Profit % is = $(\text{profit}/\text{expenditure}) \times 100$

- Question No. 68

If the total Revenue of Dell in both the years is equal to that of eBay in both the years, and the ratio of the overall profit % of Dell in both the years together and that of eBay in both the years together is 253 : 171, then what is the total revenue of either eBay or Dell in both the years together?

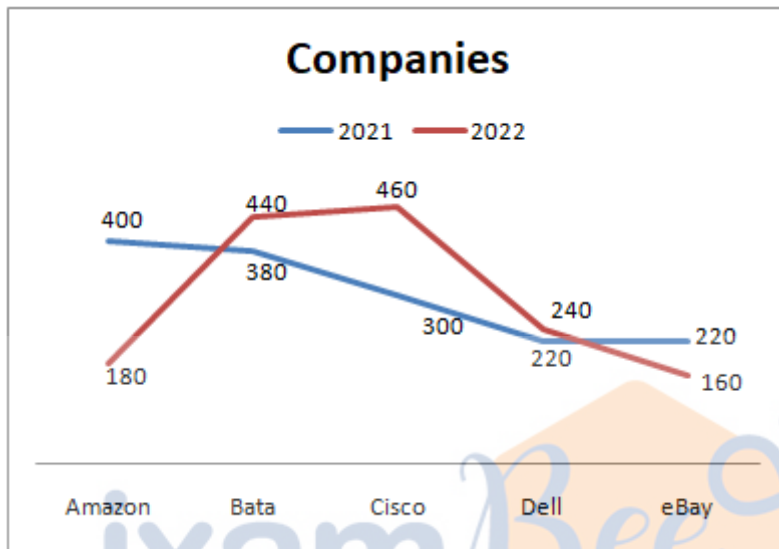
Options :

1. RS.84000
2. Rs.89000
3. Rs.82000
4. Rs.72000
5. none of these

Answer : Rs.82000

Direction:

Study the line graph and answer the following questions The graph shows that the total profits of five companies – Amazon(A), Bata(B), Cisco(C), Dell(D) and eBay(E) during the years 2021 and 2022 (in hundreds (00's)).



Formula :-

1. Revenue – expenditure = Profit

2. Profit % is = (profit/expenditure) x 100

• Question No. 69

In case of how many companies would be the difference between the profit of each of the companies in both the given (2021 and 2022) years exceed by 14% of the companies in the years 2021?

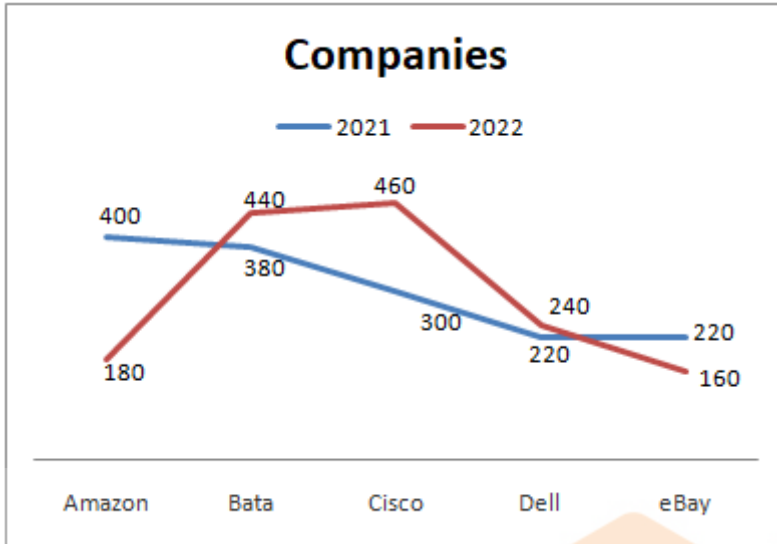
Options :

- 1. 2
- 2. 5
- 3. 3
- 4. 1
- 5. none of these

Answer : none of these

Direction:

Study the line graph and answer the following questions The graph shows that the total profits of five companies – Amazon(A), Bata(B), Cisco(C), Dell(D) and eBay(E) during the years 2021 and 2022 (in hundreds (00's)).



Formula :-

1. Revenue – expenditure = Profit

2. Profit % is = (profit/expenditure) x 100

- Question No. 70

Find the % change in the total profit earned by all the companies in 2021 and 2022?

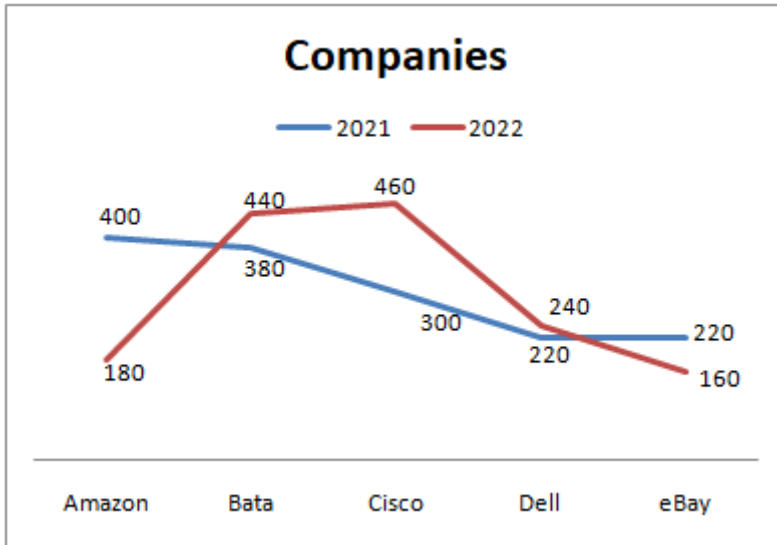
Options :

1. 8.63%
2. 5.63%
3. 2.63%
4. 9.63%
5. none of these

Answer : 2.63%

Direction:

Study the line graph and answer the following questions The graph shows that the total profits of five companies – Amazon(A), Bata(B), Cisco(C), Dell(D) and eBay(E) during the years 2021 and 2022 (in hundreds (00's)).



Formula :-

1. Revenue – expenditure = Profit

2. Profit % is = $(\text{profit/expenditure}) \times 100$

- Question No. 71

In case of how many companies would the total profit in both 2021 and 2022 years be less than $(58/3)\%$ of the total profit of all the five companies in both the years given?

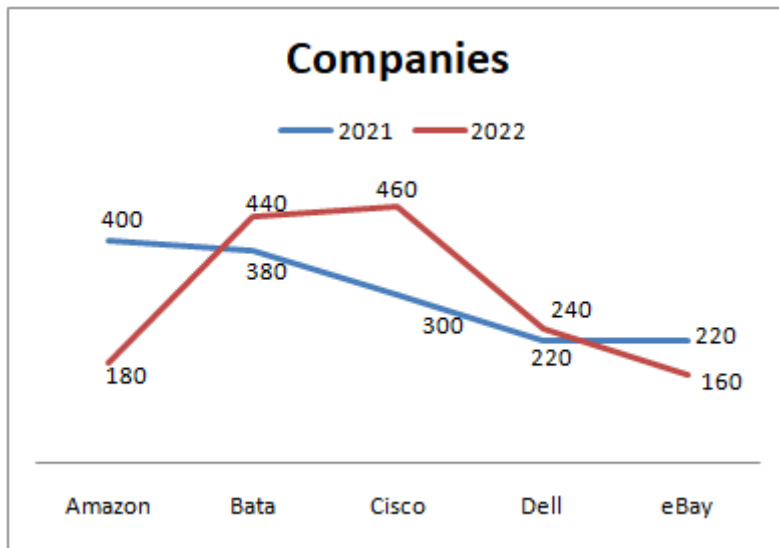
Options :

- 1. 1
- 2. 5
- 3. 2
- 4. 4
- 5. 8

Answer : 2

Direction:

Study the line graph and answer the following questions The graph shows that the total profits of five companies – Amazon(A), Bata(B), Cisco(C), Dell(D) and eBay(E) during the years 2021 and 2022 (in hundreds (00's)).



Formula :-

1. Revenue – expenditure = Profit

2. Profit % is = (profit/expenditure) x 100

• Question No. 72

The Revenue of Amazon and Cisco in 2021 is equal and in the same year expenses sustain by Cisco are more than that of Amazon by 40% . Find the profit of Amazon as a % of its revenue in the same year

Options :

- 1. 60.05%
- 2. 61.53%.
- 3. 65.53%.
- 4. 71.53%.
- 5. 51.53%.

Answer : 61.53%.

• Question No. 73

Arvind spends 30% of his salary on travelling and 25 % on car fuel. If he spends 10% of his remaining salary on food and saves the rest, then What will be the monthly salary of the person? Given that he saves Rs.10125.

Options :

1. Rs.25500
2. Rs.26000
3. Rs.25000
4. Rs.20000
5. none of these

Answer : Rs.25000

• Question No. 74

The ratio of marked price, cost price and selling price of an article is 17:12:8, individually. If the difference between marked price and cost price of the article is Rs.250, then what will be the selling price for an article.

Options :

1. Rs.405
2. Rs.450
3. Rs.400
4. Rs.462
5. none of these

Answer : Rs.400

• Question No. 75

Three persons Arvind, Bittu and Chinmey entered into a partnership with initial capitals of Rs.5000, Rs.7000, Rs.9000 respectively for 6 months, 5 months and 4 months individually. What is the profit share of B out of a total profit of Rs.25250?

Options :

1. 7750
2. 7650
3. 8750
4. 8755
5. none of these

Answer : 8750

Direction:

Given below are six sentences (A) (B) (C) (D) (E) and (F). Answer the following questions after rearranging the following sentences into a coherent paragraph.

(A) Not only that, but these puzzle pieces keep slowly moving around, sliding past one another and bumping into each other.

(B) Finally, when the plate has moved far enough, the edges unstick on one of the faults and there is an earthquake.

(C) We call these puzzle pieces tectonic plates, and the edges of the plates are called the plate boundaries which are made up of many faults, and most of the earthquakes around the world occur on these faults.

(D) The earth has four major layers: the inner core, outer core, mantle and crust.

(E) The crust and the top of the mantle make up a thin skin on the surface of our planet. But this skin is not all in one piece – it is made up of many pieces like a puzzle covering the surface of the earth.

(F) Since the edges of the plates are rough, they get stuck while the rest of the plate keeps moving.

- Question No. 76

What could be the fifth sentence after rearrangement?

Options :

1. F
2. B
3. C
4. D
5. A

Answer : F

- Question No. 76

How much soda should be mixed with 20 kg of sugar cost Rs.30/kg so that a gain of 20% can be made after selling the mixture at Rs.24/kg?

Options :

1. 18 kg
2. 25 kg
3. 12 kg
4. 10 kg
5. none of these

Answer : 10 kg

• Question No. 77

Anita started working and left after 3 days and after that Binita started the rest work and finished it in another 5 days. Had Anita left the work after working for 4 days and then Binita started the rest work, it would have been finished in another 2 days. In how many days can each of them alone finish the whole work?

Options :

1. 15 days ($\frac{4}{3}$) days
2. 14 days ($\frac{8}{3}$) days
3. 14 days, ($\frac{14}{3}$) days
4. 25 days ($\frac{13}{3}$) days
5. none of these

Answer : 14 days, ($\frac{14}{3}$) days

• Question No. 78

A bag contains 4 red bands, 4 green bands and 6 blue bands. Two bands are drawn randomly. What is the probability that at most one band is red?

Options :

1. $\frac{85}{91}$
2. $\frac{83}{91}$
3. $\frac{95}{91}$

4. 85/99

5. none of these

Answer : 85/91

• Question No. 79

A shopkeeper sold an article at a discount of 14%. If he had given a discount of 8.5% in place of 14%, then he would have earned Rs. 143 more. If the cost price of the article is 20% less than its marked price, then find the cost price of the article.

Options :

1. Rs. 2,025

2. Rs. 1,650

3. Rs. 2,080

4. Rs. 1,800

5. Rs. 1,600

Answer : Rs. 2,080

• Question No. 80

Simple interest earned on an amount of Rs. 2000 at rate of R% per annum after 4 years is Rs. 288. Find the simple interest earned on an amount of Rs. 1500 at rate of $(R + 6)\%$ per annum after 3 years

Options :

1. Rs. 430

2. Rs. 472

3. Rs. 412

4. Rs. 432

5. None of these

Answer : Rs. 432

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