Reasoning

1. Four of the following five are a like in a certain way and so form a group. Which is the one that does not belong that group?
2. Horse
3. Dog
4. Camel
5. Cow
6. Fox
7. How many Meaningful English words can be formed with the letters RAE using each letter only once in each word?
8. None
9. One
10. Two
11. Three
12. More than three
13. In a certain code RUST is written as QVRU. How is LINE written in the code?
14. KJMF
15. KJLI
16. KMJF
17. KJME
18. None of these
19. If the letters in the word DOLPHIN are rearranged as they appear in English alphabetical order. Which of the following letters will be the fifth from lerft?
20. O
21. D
22. I
23. L
24. None of these

5 . What will come in place of question mark (?) in the alpha order given below?

C B A A C B A A B C B A A B C C B A A B?

1. A
2. B
3. C
4. D
5. E
6. In a certain code ‘ke pa lo ti’ means ‘lamp is burning bright’ and ‘lo si ti ba ke’ means ‘bright light is from lamp’. Which of the following is the code for ‘burning’ in that language ?
7. Si
8. Pa
9. Ti
10. Ke
11. None of these
12. How many such pairs of letters are there in the word WONDERS, each of which has as many letters between its two letters as there are between them in the English alphabet?
13. One
14. Two
15. Three
16. Four
17. More than four
18. The following groups of alphabets form a certain pattern with regard to their position in the English alphabetic series. Based upon the pattern, which of the following five alternatives shall replace the question mark?
19. NQ
20. OQ
21. OR
22. MP
23. None of these
24. 10. A, B, C and D live on floors 3 to 6 of the same six storeyed building. A lives on fourth floor. Only one person lives on the floor between A and B. C does not live on a floor above A’s floor.

9 who lives on a floor immediately above B’s floor?

1. A
2. C
3. D
4. A or C
5. B lives on top floor
6. Who lives on the fifth floor?
7. A
8. B
9. C
10. D
11. None of these
12. If one is subtracted from each of the numbers, which of the following will be the fourth to the right of the tenth from the right?
13. 4
14. 8
15. 2
16. 1
17. None of these
18. If first all the digits are arranged in descending order and then the letters are arranged in alphabetic order, the position of how many digits and alphabets will remain unchanged?
19. None
20. One
21. Two
22. Three
23. None of these
24. If each of the consonants in the above arrangements is replaced by the letter preceding it in the alphabetic series, how many vowels will be obtained?
25. Nil
26. One
27. Two
28. Three
29. Four
30. In a certain code ‘EXPERT’ is written as ‘$Z%$Q5’ and ‘PETROL’ is written as ‘%$5Q#9’. How will ‘EXPLORE’ be written in that code?
31. $Z%9Q#$
32. $Z%9#Q$
33. $Z%9#$Q
34. $Z%9$#Q
35. Sunil walks towards the East from point A, turns right at point B and walks the same distance as he walked towards the East. He now turns left, walks the same distance again and finally makes a left turn and stops at point C after walking the same distance. The distance between A and C is how many times as that of A and B?
36. Cannot be determined
37. Two
38. Three
39. Four
40. None of these

Qs. 16-20. To answer these questions study carefully the following arrangement of symbols, digits and letters.

W% 9 3 G 6 H# 7 K$ L 2 \* B M J @ 4 5 E 8 @ Z

1. If all the numbers are deleted from the above arrangement then which of the following will be seventh to the left of sixth from the right?
2. H
3. J
4. M
5. $
6. None of these
7. How many such numbers are there in the above arrangement each of which is immediately preceded by a symbol?
8. One
9. Two
10. Three
11. Four
12. None of these
13. ‘9W’ is to ‘GH#’ and ‘$7’ is to ‘2BM’ in the same way as ‘4J’ is to ----- in the arrangement.
14. E@8
15. 58@
16. B2L
17. 58Z
18. None of these
19. How many such symbols are there in the above arrangement each of which is immediately followed by a letter?
20. None
21. One
22. Two
23. Three
24. None of these
25. In all symbols are deleted from the above arrangement then which of the following will be the fourth to the left of twelfth from the right?
26. 9
27. 3
28. W
29. M
30. None of these

QS. 21-25 Each of the questions below consist of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.

1. If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.
2. If the data in Statement II alone are sufficient to answer the question, while the date in statement I alone are not sufficient to answer the question.
3. If the data in statement I alone or in Statement II alone are sufficient to answer the question .
4. If the data in both the Statements I and II are not sufficient to answer the question.
5. If the data in both the Statements I and II together are necessary to answer the question.
6. Is the child holding a yellow coloured flower>
7. When the thorn of the flower pricked his finger, the colour of the blood matched that of the flower.
8. The child is carrying rose in his hand.
9. Who among M, N, P and R is facing North?
10. Only one among the four faces North.
11. M and N face West while P is facing South.
12. Is it afternoon in Delhi?
13. The weather is bright, humid and hot in Delhi.
14. Thirteen hours ago it was midnight in Delhi.
15. Who among P, Q, R, S and T, each having different height, is the tallest?
16. T is shorter only than R and S.
17. Q is not as tall as P and is shorter than R and S.
18. How is D related to B?
19. D is the sister of B’ S only sister’s son.
20. D is sister of Q whose mother has only two siblings – a brother A and a sister B.

Qs. 26-30. Study the following information and answer the question which follow:

1. K, L, M, M, O, P and Q are sitting along a circular table facing the centre.
2. L sits between N and O.
3. K is thirds to the left of O.
4. Q is second to the left of M, who is to the immediate left of P.
5. Which of the following pairs has the first person sitting to the immediate left of the second person?
6. Lo
7. Mk
8. QN
9. LN
10. None of these
11. Which is the correct position of L with respect to Q?
12. Second to the right
13. First to the left
14. First to the right
15. Third to the right
16. None of these
17. Which of the following has the middle person sitting between the other two?
18. NQL
19. PMK
20. POK
21. MOP
22. None of these
23. Who sits second to the left of L?
24. P
25. M
26. K
27. Q
28. None of these
29. Who sits between M and Q?
30. O
31. N
32. K
33. L
34. None of these

Qs. 31-35. In each question below are there statements followed by two conclusions numbered I and II. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the three statements disregarding commonly known facts.

Read the statements and conclusions which follow it and give answer.

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.

Statemets:

1. All buildings are roads.

All roads are trucks.

All trucks are mountains.

Conclusions:

1. Some buildings are mountains
2. Some mountains are roads.

Statements:

1. Some poles are lights

All lights are bulbs.

Some bulbs are wires.

Conclusions:

1. Some poles are bulbs.
2. Some lights are wires.

Statements :

1. All erasers are pencils.

Some pencils are pens.

No pen is a paper.

Conclusions:

1. Some erasers are papers.
2. No paper is an eraser.

Statements:

1. Some spoons are bowls.

Some pans are both spoons and bowls.

Some forks are bowls.

Conclusions:

1. Some forks are spoons.
2. Some pans are forks.

Statements

1. All boxes are tables.

All windows are tables.

All tables are fans.

Conclusions:

1. All windows are fans.
2. Some tables are boxes.

Qs. 36-38. In these questions symbols $, #, % are used for different meanings as follows:

$ means ‘neither greater nor equal to’.

# means ‘neither greater nor smaller than’.

% means ‘neither smaller nor equal to’.

In each of the following questions assuming the given statements to be true, find out which of the two conclusions I and Ii given below them is/are definitely true. Give answer.

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 conclusions I and II are true.

Statements:

1. $ $ P, P%Q Q#R

Conclusions.

1. R$$
2. R%$

Statements

1. M#K, K%P, P$R

Conclusions

1. R $ M
2. P% M

Statements:

1. A $ B, B#D, D%C

Conclusions

1. D$A
2. B%C

Qs. 39-40, Read the following information carefully and answer the questions, which follow:

If’ A – B’ means ‘A is father of B’.

If ‘A +B’ means ‘A is daughter of B’.

If ‘A/B’ means ‘A is son of B’.

If ‘A\*B’ means ‘A is wife of B’.

1. In the expression ‘P/q-T’ how is T related to P?
2. Mother
3. Sister
4. Brother
5. Either brother or sister
6. None of these
7. In the expression ‘P+Q\*R’ how is R related to p?
8. Daughter
9. Brother
10. Father
11. Sister
12. None of these

Quantitative Aptitude

Q. 1-5. What should come in place of question mark (?) in the following questions?

1. 91.5% of 550=?

1. 506.45

2. 521.65

3. 518.55

4. 508.75

5. None of these

2.

1.

2.

3.

4.

5. None of these

3. 12.22+22.21+221.12?

1. 250.55

2. 255.50

3. 250.05

4. 255.05

5. None of these

4. 464 / (16\*2.32) = ?

1. 12.5

2. 14.5

3. 10.5

4. 8.5

5. None of these

6. A bus covers a distance of 2,924 kms. In 43 hours. What is the speed of the bus?

1. 72 kms/hr

2. 60 kms/hr

3. 68 kms/hr

4. cannot be determined

5. None of these

7. if is subtracted from the square of a number, the answer so obtained is 567. What is the number?

1. 36

2. 28

3. 42

4. 48

5. None of th ese

8. what would be the simple interest obtained on an amount of Rs 5,760 at the rate of 6 p.c.p.a. after 3 years?

1. Rs 1, 036.80

2. Rs 1,666.80

3. Rs 1, 336.80

4. Rs 1,063.80

5. None of these

10. The product of two successive numbers is 8556. What is the smaller number?

1. 89

2. 94

3. 90

4. 92

5. None of these

11. the owner of an electronics shop charges his customer 22% more than the cost price. If a customer paid Rs 10,980 for a DVD player, then what was the cost price of the DVD player?

1. Rs 8,000

2. Rs 8,800

3. Rs 9,500

4. Rs 9,200

5. None of these

12. what would be the compound interest obtained on an amount of Rs 3,000 at the rate of 8 p.c.p.a after 2 years?

1. Rs 501.50

2. Rs 499.20

3. Rs 495

4. Rs 510

5. None of these

13. what is the least number to be added to 4321 to make it a perfect square?

1. 32

2. 34

3. 36

4. 38

5. None of these

14. 45% of a number is 255.6. what is 25% of that number?

1. 162

2. 132

3. 152

4. 142

5. None of these

15. find the average of the following set of scores : 221, 231, 441, 359, 665, 525

1. 399

2. 428

3. 407

4. 415

5. None of these

16. if is subtracted form the square of the number, the answer so obtained is 6, 460. What is the number?

1. 109

2. 111

3. 113

4. 115

5. None of these

17. In an examination it is required to get 40% of the aggregate marks to pass. A student gets 261 marks and is declared failed by 4% marks. What are the maximum aggregate marks a student can get?

1. 700

2. 730

3. 745

4. 765

5. None of these

18. Pinku, Rinky and tinkuy divide an amount of Rs 4, 200 amongst themselves in the ratio of 7: 8 : 6 respectively. If an amount of Rs 200 is added to each of their shares, what will be the new respective ratio of their shares of amount?

1. 8: 9 : 6

2. 7 : 9 : 5

3. 7 : 8 : 6

4. 8: 9 : 7

5. None of these

19. Ms Suchi deposits an amount of Rs 24,000 to obtain a simple interest at the rate of 14 p.c.a. for 8 years. What total amount will Ms suchi get at the end of 8 years?

1. Rs 52,080

2. Rs 28,000

3. Rs 50,880

4. Rs 26,880

5. None of these

20. The average of 5 consecutive even numbers A, B, C, D, and E is 52. What is the product of B and E?

1. 2912

2. 2688

3. 3024

4. 2800

5. None of these

21. The difference between 42% of a number and 28% if the same number is 210. What is 59% of that number?

1. 630

2. 885

3. 420

4. 900

5. None of these

22. what approximate value should come in place of the question mark (?) in the following question?

4275 : 496 =?

1. 3795
2. 3800
3. 3810
4. 3875
5. 3995

23. A canteen requires 112 kgs of wheat for a week. How many kgs of wheat will it require for 69 days?

1. 1,204 kgs

2. 1,401 kgs

3. 1,104 kgs

4.1,014 kgs

5. None of these

24. If an amount of Rs 41,910 is distributed equally amongst 22 persons. How much amount would each person get?

1. Rs 1, 905

2. Rs 2,000

3. Rs 1,885

4. Rs 2, 105

5. None of these

25. The cost of 4 cell- phones and 7 Digital cameras is Rs 1,25,627. What is the cost of 8 cell-phones and 14 Digital cameras?

1. Rs 2,51,254

2. Rs 2,52,627

3. 2,25,524

4. Cannot be determined

5. None of these

Q 26-30. Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the date provided in the statements are sufficient to answer the question. Read both the statements and give answer:

1. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
2. If the data in statement II alone are sufficient to answer the question, while the date in statement I alone are not sufficient to answer the question.
3. If the date in statement I alone or in statement II alone are sufficient to answer the question.
4. If the date in both the statements I and II are not sufficient to answer the question.
5. If the data in both the statements I and II together are necessary to answer the question.

26. what is the area of the circle?

1. Perimeter of the circle is 88 cms.

2. Diameter of the circle is 28 cms.

27. what is the rate of interest?

I. Simple interest accrued on an amount of Rs 25,000 in two years is less than the compound interest for the same period by Rs 250.

II simple interest accrued in 10 years is equal to the principal.

28. what is the number of trees planted in the field in rows and columns?

I. Number of columns is more than the number of rows by 4.

II. Number of trees in each column is an even number.

29. what is the area of the right-angled triangle?

I. Height of the triangle is three-fourth of the base.

II. Diagonal of the triangle is 5 meters.

30. What is the father’s present age?

I. Father’s present age is five times the son’s present age.

II. Five years ago the father’s age was fifteen times the son’s age that time.

Q 31-35. Study the following graph carefully to answer these questions :

Profit earned (in Crore Rs) by Seven companies during 2003-2004 profit = income – Expenditure

2003

2004

100

90

80

70

60

50

40

30

20

10

0

A B C D E F G

Companies

31. What is the ratio between the profit earned by Company A in 2004 and the profit earned by Company B in 2003 respectively?

1. 4:3

2. 3: 2

3. 3:4

4. 2 :3

5. None of these

32. what is the difference (in Crore Rs) between the total profit earned by Companies E, F and G together in 2003 and the total profit earned by these companies in 2004?

1. 70

2. 75

3. 78

4. 82

5. None of these

33. What is the ratio between the total profit earned by Company C in 2003 and 2004 together and the total profit earned by Company E in these two years respectively?

1. 52.75

2. 53.86

3.52.86

4.53.75

5. None of these

35. Profit earned by Company B in 2004 is what per cent of the profit earned by the same company in 2003?

1. 133.33

2. 75

3. 67.66

4. 75.25

5. None of these

Q 36-40. Study the following Table carefully to answer these Questions:

Table Giving percentage of Unemployed Male and Female youth and the Total population for different States in 2005 and 2006

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| STATE | 2005 | | | 2006 | | |
| M | F | T | M | F | T |
| A | 12 | 15 | 32 | 7 | 8 | 35 |
| B | 8 | 7 | 18 | 10 | 9 | 20 |
| C | 9 | 10 | 28 | 10 | 12 | 34 |
| D | 10 | 6 | 24 | 8 | 8 | 30 |
| E | 6 | 8 | 30 | 7 | 6 | 32 |
| F | 7 | 5 | 28 | 8 | 7 | 35 |

M = Percentage of unemployed Male youth over total Population

F = Percentage of unemployed Female youth over total population

T = Total population of the State in lakhs

36. what was the total number of unemployed youth in State A in 2006?

1. 2,20,000

2.3,25,000

3. 5,20,000

4., 5, 25,000

5. None of these

37. How many female youth were unemployed in State D in 2005?

1. 14,400

2. 1,44,000

3. 1,40,000

4. 14.000

5. None of these

38. Number of unemployed male youth in State A in 2005 was what per cent of the number of unemployed female youth in State E in 2006 ?

1. 66

2. 50

3. 200

4. 133

5. None of these

39. What was the difference between the number of unemployed male youth in State F in 2005 and the number of unemployed male youth in State A in 2006?

1. 70,000

2. 45,000

3. 68,000

4. 65,000

5. None of these

1. What was the respective ratio between unemployed male youth in State D in 2005 and the unemployed male youth in State D in 2006?
2. 1:1
3. 2:3
4. 3:2
5. 4:5
6. None of these