Logical Series

Model 1: Mathematical Operations

Directions (1-5): In each of the following questions, two rows of numbers are given. The resultant numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the questions below the rows of numbers are to be answered. The operations of numbers progress from the left to right.

Rules:

i)   If an odd number is followed by another composite odd number, they are to be added

ii) If an even number is followed by an odd number they are to be added.

iii) If an even number is followed by a number which is the perfect square, the even number is to be subtracted from the perfect square.

iv) If an odd number is followed by a prime odd number the first number is to be divided by the second number.

v)   If an odd number is followed by an even number, the second one is to be subtracted from the first number.

1. 15   8   21

    P   3   27

    If 'P' is the resultant of the first row, what will be the resultant of second row?

    1) 58   2) 76   3) 27   4) 82   5) None of these

2. 12   64   17

    20   m   16

    If 'm' is the resultant of the first row, what will be the resultant of second row?

    1) 69   2) 85   3) 101   4) 121   5) None of these

3. 85   17   35

16   19   r

If 'r' is the resultant of the first row, what will be the resultant of second row?

1) 175   2) -5   3) 75   4) 210   5) None of these

4. 24   15   3

   d   6   15

If 'd' is the resultant of the first row, what will be the resultant of second row?

1) 37   2) 8   3) 22   4) 29   5) None of these

5. 28   49 15

   h   3   12

If 'h' is the resultant of the first row, what will be the resultant of second row?

1) 13   2) 15   3) 19   4) 27   5) None of these

Model 2: Series of Numbers

Directions (6-8): Following questions are based on the five numbers given below:

851   743   624   319   298

6. If the positions of the first and the third digits in each of the above numbers are interchanged, which of the following will be the third highest number?

1) 851   2) 743   3) 624   4) 319   5) 298

7. If the position of the first and second digits in each of the above numbers is interchanged, which of the following will be the second highest number?

   1) 851   2) 743   3) 624   4) 319   5) 298

8. If the position of the second and the third digits in each of the above numbers are interchanged, which of the following will be the second smallest number?

   1) 851   2) 743   3) 624   4) 319   5) 298

Directions (9-10): Following questions are based on the five numbers given below:

   129   642   921   476   308

9. If in each number, the digits are arranged in ascending order, what will be the sum of the middle digits of each of the numbers?

   1) 14   2) 12   3) 26   4) 17   5) None of these

10. Which of the following numbers will be obtained if the second digit of the lowest number is added to the third digit of the highest number after adding 4 to each number?

   1) 5   2) 6   3) 7   4) 8   5) None of these

Answers

1 - 1	2 - 5	3 - 2	4 - 3	5 - 4	6 - 3	7 - 1	8 - 4	9 - 4	10 - 4