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Alpha Numeric Symbol Series Questions for IBPS Clerk Pre, SBI Clerk Pre, LIC Assistant Pre and IBPS RRB Assistant Pre Exams.

Alpha Numeric Symbol Series Set 49

Directions: Study the following arrangement carefully and answer the questions given below.

645 172 843 241 463 571

1. If one is subtracted from each odd number and two is added to each even number then how many numbers thus formed will be divisible by three?

A. None B. Four C. One D. Three E. More than four

2. What will be the resultant number if the second digit of the second highest number is multiplied by the third digit of the highest number?

A. 0 B. 12 C. 18 D. 10 E. 15

3. What is the difference between the second digit of the third highest number and the third digit of the lowest number?

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

4. If all the digits in each of the numbers are arranged in descending order within the number, which of the following numbers given in the original sequence will become the lowest number in the new arrangement?

A. 172 B. 241 C. 463 D. 421 E. 751

5. If in each number the first and the third digits are interchanged then which originally given number will be the highest number in the new arrangement?

A. 571 B. 645 C. 172 D. 843 E. 241

Correct Answers:

1	2	3	4	5
B	B	B	B	B

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Explanations :

1. **Given sequence:**

645 172 843 241 463 571

New sequence:

644 174 842 240 462 570

We know that a number is divisible by 3 if the sum of its digits is also divisible by 3.

Following this, we can observe that the numbers '174', '240', '462' and '570' are divisible by 3.

Hence, Option B is correct.

2. **Given sequence:**

645 172 843 241 463 571

Second highest number: 645

Its 2nd digit = 4

Highest number: 843

Its 3rd digit = 3

Clearly, the resultant = 4 × 3 = 12

Hence, Option B is correct.

3. **Given sequence:**

645 172 843 241 463 571

Third highest number: 571

Its 2nd digit = 7

Lowest number: 172

Its 3rd digit = 2

Clearly, the resultant difference = 7 – 2 = 5

Hence, Option B is correct.

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4. **Given sequence:**

645 172 843 241 463 571

New sequence:

654 721 843 421 643 751

Clearly, 421 is the lowest here and its original number is 241.

Hence, Option B is correct.

5. **Given sequence:**

645 172 843 241 463 571

New sequence:

546 271 348 142 364 175

Clearly, 645 has become the highest number in the new sequence.

Hence, Option B is correct.

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