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

Alpha Numeric Symbol Series Set 35

Directions: Study the following information carefully and answer the questions given beside:

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

1. Which element is exactly midway between the sixteenth element from the left end and eleventh from the right end?

A. 3 B. 9 C. 2 D. 1 E. None of these

2. How many perfect squares are there to the right of the seventeenth element from the right end (1 is to be considered as a perfect square)?

A. 4 B. 7 C. 8 D. 9 E. None of these

3. How many single digit perfect cubes are there in the above arrangement, each of which is immediately preceded by an odd number and immediately followed by an even number (1 is to be considered as a perfect cube)?

A. Only One B. Two C. Three D. Four E. None of these

4. If all the even digits are deleted from the above arrangement, which of the following will 10th from the right end of the arrangement?

A. 1 B. 3 C. 9 D. 5 E. None of these

5. Which of the following element is 5th to the right of 9th from the left end?

A. 5 B. 3 C. 2 D. 8 E. None of these

Correct Answers:

1	2	3	4	5
D	B	B	E	A

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Explanations :

1. **The given arrangement:**

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

16^{th} element from the left = 7

11^{th} element from the right = 8

The element that comes exactly in the middle = 1

Hence, the correct answer is option D.

2. **The given arrangement:**

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

17^{th} element from the right = 7

Perfect squares present to the right of 7 are as follows:

4 3 6 3 4 5 9 2 8 7 2 3 6 5 2 **7** 3 **9** **1** 2 **1** 8 **4** **9** 8 **1** 2 **4** 7 7 5 2

Clearly, 7 such perfect squares are present in the series.

Option B is hence the correct answer.

3. **The given arrangement:**

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

Applying above condition in the given arrangement, we have:

4 3 6 3 4 5 9 2 8 7 2 3 6 5 2 7 3 9 **1** 2 1 **8** 4 9 8 1 2 4 7 7 5 2

Here, we can see that there are two permutations that satisfy the given condition.

Hence, the correct answer is option B.

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4. **The given arrangement:**

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

New arrangement:

3 3 5 9 7 3 5 7 3 9 1 1 9 1 7 7 5

10^{th} digit from the right end = 7

Hence, the correct answer is option E.

5. **The given arrangement:**

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

Required digit = (5 + 9) = 14^{th} from the left end

Clearly, '5' is the 14^{th} digit from the left end.

Option A is hence the correct answer.

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