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

Alpha Numeric Symbol Series Set 19

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

578 796 429 685 849

1. If all the digits are arranged in increasing order from left to right within the number then what would be the difference between second highest and second lowest number thus obtained?

- A. 75 B. 89 C. 94 D. 97 E. 99

2. If first and last digit of each number is interchanged then what will the difference between the sum of even numbers and the sum of odd numbers thus obtained?

- A. 796 B. 826 C. 846 D. 866 E. 886

3. If 142 is subtracted from each of the given numbers and the digits of each of these numbers are summed up then which of the following numbers will have the highest sum thus obtained?

- A. 578 B. 796 C. 429 D. 685 E. 849

4. If 2 is subtracted from each odd digit of each of the given numbers and 1 is added to each even digit of each of the given numbers in the above sequence then what is the difference between the least and the highest numbers?

- A. 576 B. 488 C. 510 D. 598 E. 618

5. If all the digits within the number are to be added till a single digit number is obtained then how many of these newly formed numbers will be even?

- A. None B. One C. Two D. Three E. More than three

Correct Answers:

1	2	3	4	5
B	E	C	D	D

Explanations:

1. The given sequence:

578 796 429 685 849

Arranging all the digits in increasing order from left to right within the number, we get:

578 679 249 568 489

Second highest number = 578

Second lowest number = 489

Required Difference = $578 - 489 = 89$

Hence, the correct answer is option B.

2. The given sequence:

578 796 429 685 849

Interchanging first and last digit of each number, we get

875 697 924 586 948

Sum of even numbers = $924 + 586 + 948 = 2458$

Sum of odd numbers = $875 + 697 = 1572$

Required Difference = $2458 - 1572 = 886$

Hence, the correct answer is option E.

3. The given sequence:

578 796 429 685 849

Subtracting 142 from each number of the above sequence, we get:

436 654 287 543 707

After taking sum of the digits of each of the above numbers, we get

13 15 17 12 14

Here, the number which has the highest sum of digits is 429.

Hence, the correct answer is option C.

4. The given sequence:

578 796 429 685 849

Subtracting 2 from each odd digit of each of the given even number of the above sequence and adding 1 to each even digit of each of the given odd number, we get

359 577 537 793 957

The least number: 359

The highest number: 957

The required difference = $957 - 359 = 598$

Option D is hence the correct answer.

5. The given sequence:

578 796 429 685 849

Adding all the digits within the number till a single digit number is obtained,

20 22 15 19 21

2 4 6 1 3

Here, the total even numbers in the above sequence (highlighted in red) are 3.

Hence, the correct answer is option D.



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