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Alpha Numeric Symbol Series Questions for IBPS PO Pre, IBPS RRB Scale I Pre, SBI PO Pre, Syndicate Bank PO, Canara Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Alpha Numeric Symbol Series Set 27

Directions: The questions are based on the 5 four-digit numbers given below.

2764 7983 9862 5493 6278

1. If in each number, all the composite digits are changed to their just previous prime number and all the prime digits are changed to their just next composite number then how many times '7' is repeated in the new sequence?

A. 6   B. 5   C. 4   D. 7   E. None of these

2. If first and third digits of each number are interchanged and then numbers are arranged in ascending order then which of the following will be the second number from right end?

A. 2764   B. 9862   C. 7983   D. 5493   E. 6278

3. If all the digits are arranged in descending order within the number, then which of the following are the second greatest and the second lowest number respectively?

A. 9862 and 5487   B. 9862 and 7983   C. 9862 and 2764   D. 9862 and 6278   E. None of these

4. If all the digits are arranged in ascending order within each of the numbers, how many such numbers are there in the new arrangement in which the positions of all the digits get changed within the number?

A. 2   B. 4   C. 1   D. 3   E. None

5. If all the digits are arranged in ascending order within each of the numbers and the product of first two digits of each new number is calculated, which of the following original number gives an odd number as resultant?

A. 6278   B. 5493   C. 2764   D. 7983   E. 8962

Correct Answers:

1	2	3	4	5
A	C	D	C	D

Explanations :

1. **Given Sequence: 2764 7983 9862 5493 6278**

New Sequence: 4853 8774 7754 6374 5487

Here '7' is repeated 6 times in the new sequence.

Note- Prime digits are colored with bold red and Composite digits are bold black.

Hence option A is correct.

2. **Given Sequence:** 2764 7983 9862 5493 6278

New Sequence: 6724 8973 6892 9453 7268

Ascending order: 6724 6892 7268 **8973** 9453

Here second number from right end is "8973" which represents "7983".

Hence option C is correct.

3. **Given Sequence:** 2764 7983 9862 5493 6278

New Sequence: 7642 9873 **9862** 9543 **8762**

Here the second greatest number is '9862' which represents "9862".

The second lowest number is '8762' which represents "6278".

Hence option D is correct.

4. **Given Sequence:** 2764 7983 9862 5493 6278

New Sequence: 2467 3789 **2689** 3459 2678

Only one number is there in the new arrangement in which the positions of all the digits get changed within the number.

Hence option C is correct.

5. **Given Sequence:** 2764 7983 9862 5493 6278

Ascending order: 2467 3789 2689 3459 2678

product of first two digits: 8 21 12 12 12

Here after changing all digits of "7983" in ascending it gives "21" as resultant which is an odd an number.

Hence option D is correct.