Alpha Numeric Symbol Series Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS SO Pre Exams.

Alpha Numeric Symbol Series Set 23

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

5836 7469 8251 6293 4172

1. If the digits of all the numbers are to be arranged in ascending order within the number from right to left then the numbers thus formed are to be arranged in descending order from left to right then what would be the sum of second digit of third number from left end and third digit of fourth number from right end?

A. 12 B. 10 C. 7 D. 9 E. 11

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2. If in each number first digit is interchanged with second digit and third digit is interchanged with fourth digit after that first digit is interchanged with fourth digit then what would be the difference of highest and second lowest numbers thus formed?

A. 3280 B. 3820 C. 2230 D. 2380 E. 2320

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3. If all the odd digits of each number are decreased by 1 and all the even digits of each number are divided by 2 then the even numbers thus formed are arranged in descending from left to right and on the right of these all odd numbers are arranged in ascending order then which of the following numbers will be in the middle of the sequence?

A. 3186 B. 4172 C. 3182 D. 8251 E. 7469

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4. If all the numbers are arranged in descending order then what will the product of second digit of the third number from the right end and third digit of the forth number from the left end?

A. 9 B. 8 C. 6 D. 18 E. 20

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5. Find the number the sum of all the digits of which is equal to the sum of all the smallest digits taken from all the numbers.

A. 5836 B. 4172 C. 6293 D. 8251 E. None of these.

Correct Answers:

1	2	3	4	5
D	B	C	C	E

Explanations:

1. We have,

The given sequence = 5836 7469 8251 6293 4172

After arranging the digits of all the numbers in ascending order within the number from right to left, we get:

8653 9764 8521 9632 7421

After, arranging the newly formed in descending order from left to right, we get:

9764 9632 8653 8521 7421

Here, third number from left end is '8653' and second digit of '8**6**53' is '6'.

And, fourth number from right end is '9632' and third digit of '96**3**2' is '3'.

Required Sum = 6 + 3 **= 9**

Hence, the correct answer is option **D**.

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2. We have,

The given sequence = 5836 7469 8251 6293 4172

After interchanging first digit with second digit and third digit with fourth digit, we get:

8563 4796 2815 2639 1427

Now, interchanging first and fourth digit of each of the above number, we get:

3568 6794 5812 9632 7421

Here, the highest and second lowest numbers are '9632' and '5812'

Required Difference = 9632 – 5812 **= 3820**

Hence, the correct answer is option **B**.

3. We have,

The given sequence = 5836 7469 8251 6293 4172

After subtracting 1 from all the odd digits of each number and dividing all the even digits of each number by 2, we get:

4423 6238 4140 3182 2061

Now, arranging all the even numbers in descending order from left to right, we get:

6238 4140 3182

After arranging all the odd number in ascending order on the right of above numbers, we get:

6238 4140 3182 2061 4423

The, number in the middle of the sequence is '3182'.

Hence, the correct answer is option **C**.

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4. We have,

The given sequence = 5836 7469 8251 6293 4172

After changing the numbers in descending order, we get:

8251 7469 6293 5836 4172

Now, we have:

The Third number from the right end - 6293

The second digit of the third number -2

The forth number from the left end - 5836

The third digit of the forth number – 3

The product of the numbers -2*3 = 6

the product of second digit of the third number from the right end and third digit of the forth number from the left end is 6.

Hence, the correct answer is option C.

5. We have,

The given sequence = 5836 7469 8251 6293 4172

The smallest digit of each number – 3, 4, 1, 2, 1

The sum of all smallest digits of each number,

3+4+1+2+1=11

The sum of all digits of each number,

5+8+3+6 = 22

7+4+6+9 = 26

8+2+5+1 = 16

6+2+9+3 = 20

4+1+7+2 = 14

the sum of all the digits of each number is not equal to the sum of all the smallest digits taken from all the numbers.

Hence, the correct answer is option E.