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Your Study Companion

QUESTIONS ON ALPHANUMERIC SERIES

We are giving you a sample of questions asked in the alphanumeric series part in SBI PO and Clerk prelims. The questions are easy, hence the focus on the wording of the question and the options. The questions will be mainly a combination of letters, numbers and symbols or it will consist of only a single entity. Read the question and the intermediate steps very carefully to solve the question.

Direction for 1 to 5:

Read the following alphanumeric series carefully and answer the questions given beside.

P 8 F # 4 @ N 3 E Q % R T & 9 Y * N S \$ 7 A

Step 1: If a symbol is immediately preceded and followed by a letter then write it between 9 and Y.

Step 2: If a number is immediately preceded by a symbol and immediately followed by a letter then write it between N and 3.

Note: Step 2 is performed after completion of step 1.

1. How many symbols are to the left of second vowel from right end in the sequence obtained after step 1?

- A) 1
- B) 2
- C) None
- D) 3
- E) 4

Explanation: New Sequence after Step 1

is P 8 F # 4 @ N 3 E Q % R T & 9 % * Y * N S \$ 7 A

There are 2 symbols

2. How many elements are between the second composite number from left end and first prime number from right end in the sequence obtained after step 2?

- A) 15
- B) 16
- C) 13

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- D) 17
- E) 18

Explanation:

New sequence after Step1

P 8 F # 4 @ N 3 E Q % R T & 9 % * Y * N S \$ 7 A

New sequence after Step2

P 8 F # 4 @ N 7 3 E Q % R T & 9 % * Y * N S \$ 7 A

There are 18 elements

3. How many numbers are there which is/are immediately preceded by a letter if all the vowels are dropped from the sequence after step 1?

- A) 1
- B) 2
- C) None
- D) 3
- E) 4

Explanation:

New sequence after Step1

P 8 F # 4 @ N 3 E Q % R T & 9 % * Y * N S \$ 7 A

After removal of Vowels

The sequence is

P 8 F # 4 @ N 3 Q % R T & 9 % * Y * N S \$ 7

There are 2 numbers 8 and 3

4. With respect to the sequence after step 2, how many letters are there which is/are immediately preceded by a number and immediately followed by a symbol?

- A) 1
- B) 2
- C) None
- D) 3
- E) 4

Explanation:

New sequence after Step1

P 8 F # 4 @ N 3 E Q % R T & 9 % * Y * N S \$ 7 A

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New sequence after Step2

P 8 F # 4 @ N 7 3 E Q % R T & 9 % * Y * N S \$ 7 A

There is only 1 element F

5. With respect to the sequence after step 2, four of the following five are alike in some way and thus form a group. Which of the following does not belong to the group?

- A) #FP
- B) %Q3
- C) &T%
- D) \$SN
- E) A7S

Explanation:

In all the options except D, the 2nd element is to the immediate left of the 1st element while the 3rd element is 3rd to the left of the 1st element .

Direction for 6 to 10

These questions are based on the following sequence given below

613 , 827 , 935 ,173, 498

6. If these numbers are written with their digits in increasing order, then which number will be the 2nd lowest?

- A) 613
- B) 827
- C) 935
- D) 173
- E) 498

Explanation:

The new sequence will be 136,278,359,137,489.

Hence 2nd lowest will be 173

7. If 3rd digit of the 3rd highest number is divided by the 2nd digit of the lowest number, what will be the remainder?

- A) 3
- B) 0
- C) 7

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- D) 1
- E) 0.43

Explanation:

3rd digit of 613 is 3. 2nd digit of the lowest number 173 is 7. 3 when divided by 7 leaves 3 as remainder

8. If the numbers are written with their digits in decreasing order, then which will be the 2nd lowest number?

- A) 613
- B) 827
- C) 935
- D) 173
- E) 498

Explanation:

The new sequence will be 631,872,953,**731**,984.

Hence 173 will be the 2nd lowest number, since 731 is the 2nd lowest number in the new sequence

9. If the digits at the 10's place is increased by 1 (for 9 take 0), then which will be the 2nd lowest number?

- A) 613
- B) 827
- C) 935
- D) 173
- E) 498

Explanation:

The new sequence will be 623,837,945,183,**408**

Hence 498 will be the 2nd lowest number.

10. If the addition of the 1st and 3rd digit is multiplied by 5 and then the 2nd digit is subtracted, the difference between the number of numbers remaining being odd and even is

- A) 3
- B) 4
- C) 5

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- D) 1
- E) 2

Explanation:

613 , 827 , 935 ,173, 498

If you perform the operations then you get $(6+3) \times 5 - 1$ or 44.

Similarly for others, it will be 73,67,13,51 .

Hence required difference = 4 odd – 1 even = 3

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