

## Alphanumeric Series

### Type 1

**Directions (1 -5): Study the following arrangement carefully and answer the questions given below.**

**@ 5 # B C 2 4 E ϕ A 3 θ K 6 β T R 7 M 8 Δ 6**

1. How many digits are there which are immediately preceded by a letter and immediately followed by a symbol?

- A. Four      B. Two      C. Five  
D. Three      E. More than five

2. Four out of the following five are alike in a particular pattern and hence form a group. Find the one which does not belong to that group.

- A. B 2 E      B. ϕ 3 K      C. β R M  
D. K β 7      E. 5 B 2

3. If the second half of the given sequence is reversed, then which is the seventh element to the right of the twelfth element from the right end?

- A. C      B. R      C. β      D. T      E. 2

4. Which is the next term in the following sequence?

- B 2 ϕ, C 4 θ, E 3 β, \_\_\_\_\_  
A. Δ 6 β      B. A 6 Δ      C. A 6 T  
D. A 6 β      E. A 6 M

5. Which element is third to the right of the sixth to the left of the second letter from the right end? .

- A. 7      B. θ      C. T      D. ϕ      E. None of these

**Directions (6-15): Study the following digit-letter-symbol sequence carefully and answer the questions given below:**

**R \* T J L 2 \$ D = M # 8 C % B < K 1 & A W ? P E + Q @ 7 F 6**

6. How many such numbers are there in the above sequence, each of which is immediately preceded by a consonant and immediately followed by a symbol?

- A. Nil      B. One      C. Three  
D. Four      E. None of these

7. Which of the following is sixth to the left of eighteenth element from the left?

- A. %      B. C      C. 1      D. 8      E. None of these

8. If the above sequence is written in reverse order then which of the following will be sixth to the right of sixteenth element from the right end?

- A. M      B. A      C. B      D. ?      E. None of these

9. If the first fifteen elements in the above sequence are written in reverse order, then which of the following will be twenty-first from the right end?

- A. 2      B. \$      C. =      D. L      E. None of these

10. What should come in place of question mark in the following on the basis of above sequence?

- \* R J : F 6 @ L J \$ : Q @ E D \$ M : ?  
A. # M C      B. P E W      C. P ? +  
D. P E ?      E. None of these

**S K 6 £ Q 2 R \* C F 8 E \$ G 2 # 4 9 L N 3 U V 5 Y a B 7 W 9**

11. How many symbols are there in the above arrangement each of which is immediately preceded by but not immediately followed by a letter of English alphabet?

- A. Nil      B. One      C. Two      D. Three      E. None of these

12. What should come in place of question mark in the following series?

- S 9 K 6 W £ Q 7 2 ? C a F  
A. R Y \*      B. \* Y C      C. 2 B R  
D. R B \*      E. None of these

13. If the positions of # and \$ are interchanged, so also the positions of £ and ϕ, Q and K and F and V are interchanged,

which of the following will be the ninth element to the left of eighteenth element from the left?

- A. C      B. V      C. 8      D. \*      E. None of these

14. Four of the following five are alike in respect of their positions in the above series. Which is the one that does not belong to that group?

- A. Q \* 8      B. £ R F      C. 6 2 C  
D. 2 \* 8      E. R F \$

15. S K £ is related to 9 W B in the same way as Q 2 \* is related to

- A. a V U      B. a Y 5      C. 7 B Y  
D. B Y V      E. a Y V

## **Type II**

**Directions (16-25): Study the following information and answer the question:**  
**TON GOT QIK BKL DUE**

16. If the first and third letter of each word is interchanged, then all the words are arranged in alphabetical order from the left then which of the following is the first word from the left end?

- A. BKL              B. QIK              C. GOT  
D. DUE              E. TON

17. How many letters there in the alphabetical series between the second letter of the third word from the left end and third letter of the first word from the right end?

- A. One              B. Three              C. Four  
D. Two              E. More than three

18. If all the consonants are changed to the next letter in the alphabetical series then how many words have more than one vowel?

- A. One              B. Three              C. Four  
D. Two              E. More than three

19. If K is added after the second letter of each word then how many meaningful words can be formed?

- A. One              B. Three              C. Four  
D. Two              E. More than three

20. If the 1st letter of each word is changed to the previous letter then how many meaningful words can be formed?

- A. One              B. Three              C. Four  
D. Two              E. More than three

## **TOY RUB SIN OUT LAP**

21. If all the words are arranged as per alphabetical order then how many letters are placed as per English Alphabet between the middle letters of third word from left end and that of the second word from right end?

- A. 15    B. 9    C. 11    D. 12    E. None of these

22. If letters of all the words that starts with the letter that comes after 'M' in the English alphabet series are rearranged as per reverse dictionary order within the word, then which of the following is the third letter of the fourth word from right end?

- A. U    B. B    C. I    D. O    E. Y

23. If 'P' is added in the beginning of all the words then how many words will become a meaningful English word?

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

24. If the first letter of all the words is replaced by 'C' then how many meaningful English words can be formed?

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

25. If all the words are arranged in reverse dictionary order from left to right, then how many words retain their original position?

- A. One              B. Two  
C. Three              D. Four              E. Five

## **Type – III**

**Directions (26 – 30): Following questions are based on the five three-digit numbers given below.**  
**785    243    634    397    572**

26. After arranging all the digits in increasing order (within the number) what is the sum of third digit of the highest number and first digit of the lowest number so formed?

- A. 12    B. 8    C. 10    D. 9    E. None of these

27. If 1 is added to each even digit and 1 is subtracted from each odd digit and then how many numbers so formed will be fully divisible by 2?

- A. 1    B. 2    C. 3    D. 4    E. 5

28. Which of the following numbers will be placed exactly in the middle of the series when all the numbers are changed to product of their digits and then arranged in ascending order from left to right?

- A. 785              B. 243              C. 634  
D. 397              E. 572

29. What will be the resultant when third digit of third highest number is subtracted from the first digit of second highest number?

- A. 4    B. 1    C. 3    D. 6    E. 2

30. If all the prime digits are increased by 1 and all the composite digits are decreased by 1, then which of the following digits appear maximum times in the new sequence so formed?

- A. 3    B. 4    C. 8    D. Both A and C              E. All

**Directions (31-35) : The questions are based on the 5 four-digit numbers given below.**

**2764    7983    9862    5493    6278**

31. 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

32. 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. 7983    C. 9862  
D. 5493    E. 6278

33. 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

34. 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

35. 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

#### **Type - IV**

**Directions (36-40): Study the following information carefully and answer the questions given below.**

**% K 5 W & 6 B Q \$ V 3 O J 8 # 1 E @ 2 M N + © G 4 D ¥ C X 9 \* R 7 T**

*Step I:* Each such letter that is immediately followed by a special character and immediately preceded by a number then the letter is placed immediate right of '4' in reverse alphabetical order from left to right.

*Step II:* Each such number that is followed by an alphabet but not immediately preceded by another alphabet then the number is written immediate right of 'W' in the ascending order in the series thus formed after Step I.

*Step III:* Each such symbol which is immediately followed by an alphabet then the symbol is written between 'V' and '3' from left to right (the first symbol from the left should be immediately right of 'V' and so on) in the series thus formed after Step II. Step III is the final output for the given series.

36. If all the alphabets which are followed by number are dropped from the final output, then, which of the following element is sixteenth from the right end?

A. M    B. #    C. 3    D. 8    E. None of these

37. Which of the following element is eighth to the right of fifteenth element from the left end of the final output?

A. \*    B. G    C. 4    D. W    E. None of these

38. If all the numbers are dropped from the final output, then, how many elements will be present in the series?

A. 32    B. 25    C. 19    D. 24    E. None of these

39. Which of the following elements is present exactly between the sixth element from the left end and seventh element from the right end in the final output?

A. 8    B. J    C. 1    D. #    E. None of these

40. Which of the following element is sixteenth from the right end of second to the left in the Step II?

A. #    B. N    C. +    D. 8    E. None of these

**Directions (41-45): Study the following information carefully and answer the questions given below:**

**O 8 F # 4 @ M 2 E Q % R T & 6 Z \* N S \$ 7 A**

*Step 1:* If a symbol is immediately preceded and followed by a letter then write it between 6 and Z.

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

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

41. 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. ERM.    B. ZS6    C. 4M8  
D. QT7    E. 6\*T

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

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

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

44. 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?

### **Type - V**

46. How many such digits are there in the number 691025438 which remains unchanged when the digits are arranged in descending order within the number?

- A. One B. Two C. Three  
D. Four E. None

47. In the word FACEBOOK, how many pair of letters are there such they have 1 less alphabet between them as in actual English Alphabet (in both direction)?

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

48. If the letters of the word MESSENGER are arranged such that all the vowels alphabetically occupy the starting positions, and all consonants alphabetically occupy the positions succeeding the vowels, then position of how many letters is not changed?

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

45. 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. None B. One C. Two  
D. Three E. None of these

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

49. If it is possible to make only one meaningful English word from the second, the fifth, the seventh and the eighth letters of the word PHYSICAL, using each letter only once, second letter of that word is your answer. If more than one such word can be formed, your answer is M. If no such word can be formed, your answer is N?

- A. I B. A C. L D. M E. N

50. In the first 4 letters of word EXECUTIVE are written in reverse order, again next four letter are written in the reverse order. If this order continued, after change which will be the 3rd letter from the right?

- A. T B. U C. V D. I E. None of these

### **Answers:-**

Q.No	Ans	Q.No	Ans	Q.No	Ans	Q.No.	Ans	Q.No	Ans
1	D	11	A	21	C	31	A	41	E
2	D	12	D	22	B	32	B	42	C
3	D	13	A	23	C	33	D	43	D
4	B	14	D	24	D	34	C	44	A
5	A	15	E	25	C	35	D	45	B
6	E	16	D	26	C	36	E	46	A
7	D	17	B	27	C	37	C	47	D
8	A	18	B	28	C	38	B	48	C
9	A	19	A	29	A	39	D	49	B
10	B	20	D	30	D	40	A	50	A