Alphanumeric is a term encompassing all the letters in a given language set as well as the numerals. Alphanumeric charectors are those comprised by the combined set of the 26 alphabetic characters, A to Z, and the 10 numerals, 0 to 9.

In some cases it may include appear and tower case letter, punctuation marks, and symbols, @, &, and \*,

This type of reasoning is a mixed bag of coding – decoding, series based reasoning and finding positions based reasoning questions.

One of the most scoring question-type in any competitive exam is alphanumeric series puzzles. These questions are high scoring as they can be solved very quickly.

Learning shortcuts to handle these types of questions will significantly boost our reasoning score. Hence, let us try to practice as many questions as we can.

Points to remember:-

Key words ‘following, followed by, preceding, and preceded by’

Let us consider two successive alphabets M and N. Here M is preceding N and N is proceeded by M. Also N is following M and M is followed by N.

Now, take three successive alphabets X, Y and Z. Here X and Y are preceding Z, but Y is immediately preceding Z whereas, X is not immediately preceding Z. Similarly, Y and Z are following X, but Y is immediately following X whereas, Z is not immediately following X.

Example-

Study the following digit, letter symbol sequence carefully and answer.

Look the series - 4 P + S r 9 B # A 3 ? 7 c > Z % 6 d & Q @ 1

Q- Write in reverse order then which letter which is right to 5th and left to 16th.

Ans-1 @ Q & d 6 % Z > c 7 ? 3 A # B 9 r S + P 4.

Right to 5th is 6 and left to 16th is #

Q-2 How many numerals in the series, and how many alphabet and how many symbols?

Ans- 6, 9 and 7

Q-3 When the series is in reverse order, then, which element will be 5th to the right of 16th element from the right end ?

Ans. Now the 16 th element from the right end is % and 5th to the right of % is ?.

Q4- Which element is seventh to the left of sixteenth element from the left in the above original sequence?

Ans- The sixteenth element from the left is %. Now, we move 7th to the left of %, which is A. Hence, **A** is be the answer.

Q5- 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?

Ans-Let us check for the sequence Consonant-number-symbol. There is only **1 such case** in the above sequence: **A 3 ?**