

Alpha-Numeric Sequence Puzzle, Number, Ranking and Time Sequence

ALPHA-NUMERIC SEQUENCE PUZZLE

In such type of questions, a sequence of numbers, letters and symbols is given and a student is asked how many times a number/letter/symbol follows a certain rule or which number/letter symbol follows a certain rule.

EXAMPLE

1. How many symbols are there in the given arrangement each of which is not immediately preceded by a digit but immediately followed by a letter?
4 2 @ + A P 5 > - 6 < T M 4 L Z = 1 - 8 3 D * #
(a) None (b) One
(c) Two (d) Three

Explanation (b):

The group having given properties is @ + A.
So, the correct option is (B).

NUMBER, RANKING AND TIME SEQUENCE TEST

Number Test:

In these type of problems, a sequence of numbers is given and a student is asked questions same as in the way as asked in Alpha-Numeric Sequence Puzzle.

Ranking Test:

In ranking test based problems, usually the ranks of one or two persons from the top and from the bottom are mentioned. A student is required to compute either total number of persons or rank of a person.

2. In a class of 60, the girls are twice that of boys, Karim ranked seventeenth from the top. If there are 9 girls ahead of Karim, how many boys are there after him?
(a) 3 (b) 10
(c) 12 (d) 15

Explanation (c):

Let number of boys = x , then $x + 2x = 60$

$\therefore x = 20$

There are $16 - 9 = 7$ boys ahead of Karim.

\therefore Number of boys after Karim $= 20 - 1 - 7 = 12$

Time Sequence Test:

To solve the time based problems the following information are very useful.

- The needles of a clock are called its hands.
- Whenever we are performing problems on two hands of a clock, they are hour and minute hands.
- In every 1 hour, the hour hand rotates 30° and the minute hand rotates 360° .
- The month of February has minimum number of days. These are 28 or 29.
- 1 year = 365 or 366 days.
- The year which is divisible by 4 is called a leap year. e.g., year 2012 is a leap year.
- A century which is divisible by 400 is called a leap year. e.g. 2000 is a leap year but 2100 is not.
- There are 29 days in February of a leap year.
- There are 366 days in a leap year and 365 days in a non-leap year or ordinary year.
- 1 century = 100 years.

3. If 1st October is Sunday, then 1st November will be _____.
 (a) Monday (b) Tuesday
 (c) Wednesday (d) Thursday

Explanation (c):

1st, 8th, 15th, 22nd, and 29th October are Sundays.
 So, 31st October is Tuesday.
 ∴ 1st November will be Wednesday.

LOGICAL SEQUENCE OF WORDS

In such type of problems, some words are given. These words have some relationship amongst one another or have a specific sequence.

A student is required to identify this relationship or sequence and put them in a logical sequence.

This sequence may be according to size, age, need, etc.

4. Arrange the words given below in a meaningful sequence.
 1. Leaf
 2. Fruit
 3. Stem
 4. Root
 5. Flower
 (a) 3, 4, 5, 1, 2 (b) 4, 3, 1, 5, 2
 (c) 4, 1, 3, 5, 2 (d) 4, 3, 1, 2, 5

Explanation (b): The order of growing a tree is: Root, Stem, Leaf, Flower, Fruit. So the correct option is (B).

ALPHABET TEST

English Alphabet:

The English alphabet contains 26 letters in all.

These starts from A and ends with Z as written below:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- The first letter is A. The 10th letter is J.
- The 10th letter from the right is Q.

A rule to find positions of letters is "EJOTY".

Rule	E	J	O	T	Y
Position of letters	5 th	10 th	15 th	20 th	25 th

Dictionary:

A dictionary consists of those letters or words first which commence with A, then B and, so on.

For example, the sequence of letters P, A, M, L and Z in the dictionary is A, L, M, P, Z

For another example, the sequence of words Mango, Apple, Orange, Tomato and Liquid in a dictionary is: Apple, Liquid, Mango, Orange, Tomato.

5. Which of the following words will come in second place, if all of them are arranged alphabetically as in a dictionary?
 (a) Crude (b) Crumb
 (c) Cruise (d) Crupper

Explanation (c):

We will consider the fourth letter because first three letters are the same.

The fourth letters are : d, m, i and p. Their order as in dictionary is d, i, m, p.

Therefore, the word in 2nd place is 'Cruise'.

So the correct option is (c).