

## Alpha-Numeric Sequence Puzzle, Number, Ranking and Time Sequence Test, Logical Sequence of Words, Alphabet Test

## **ALPHA - NUMERIC SEQUENCE PUZZLE**

Such type of puzzle is a jumbled sequence of numbers and letters.

A puzzle is given and a candidate is asked how many times a number/letter follows a certain rule or which number/letter follows a certain rule.

# EXAMPLE

1. How many 4's are there in the following arrangement each of which is immediately preceded by an even number but not immediately followed by 6?

 242EDQ39247M66T641N846

 (a) One
 (b) Two
 (c) Three
 (d) Four

### Explanation (c):

Let us take the given arrangement. [2 4 2] E D Q 3 9 [2 4 7] M 6 6 T [6 4 1] N 8 4 6

# NUMBER, RANKING AND TIME SEQUENCE TEST

#### Number Test:

In problems on number Test, a sequence of numbers is given and a question is asked in that way as asked in Alpha-Numeric Sequence Puzzle.

#### **Ranking Test:**

In ranking based problems, usually the ranks of one or two persons from the top and from the bottom are mentioned.

A candidate is required to compute either total number of persons or rank of a particular person.

If Sahil finds that he is twelfth from the right end in a line of boys and fourth from the left end, then how many boys should be added to the line such that there are 28 boys in the line?
(a) 11
(b) 13
(c) 15
(d) 18

#### **Explanation (b):**

Number of boys from the right end to Sahil = 12 Number of boys from the left end to Sahil = 4 In the above two statements Sahil is counted twice. So, the actual number of all the boys [=12+4-1=15]Now, the required number of additional boys  $[=|text{} 28-15=13]$ 

#### Time Sequence Test:

- To solve time based problems the following information's are very useful.
- In every 1 hour, the hour hand rotates  $[30{}^{circ}]$  and the minute hand rotates  $[360{}^{circ}]$ .
- The year which is divisible by 4 is called a leap year. E.g. 2012 is a leap year.
- A century year 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.
- 1 century = 100 years.
- If Monday falls on the second of a month, then which day will fall two days after 10th?
  (a) Tuesday
  (b) Thursday
  (c) Friday
  (d) Sunday

#### **Explanation (b):**

On 2nd, it is Monday. On (2 + 7)th = 9th, it will be Monday. On 10th, it will be Tuesday. On (10 + 2)th = 12th, it will be Thursday. Therefore, Thursday will fall on the given date. So, the correct option is (b).

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 candidate is required to identify this relationship or sequence and to put them in a logical sequence. This sequence may be according to size, age, happening, need etc.

- **4.** Arrange the following in a logical sequence.
  - Kid
     School education
     Marriage
     Birth
     College education

     (a) 4, 2, 5, 3, 1
     (b) 1, 2, 5, 4, 3
     (c) 4, 1, 1, 5, 3
     (d) 1, 1, 3, 4, 5

#### **Explanation (c):**

First of all a child is born, then he/she becomes kid. After this he/she gets school education, then college education and then gets married.

Therefore, the best sequence is 4, 1, 2, 5, 3.

So, the correct option is (c).

## ALPHABET TEST

## Alphabet Test

An alphabet test depends upon the English alphabets in different order/sequence and arrangement of different words as in a dictionary.

## ALPHABETICAL ORDER

Alphabetical order with its serial number is given below:

Α	В	C	D	E	F	G	Н	$\langle 1 \rangle$	J	K	L	Μ	Ν	0	Ρ	Q	R	S	Т	U	۷	W	Χ	Y	Ζ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

## **REVERSE ALPHABETICAL ORDER**

The reverse of alphabetical order is given below:

Ζ	Y	X	W	V	U	T	S	R	Q	Ρ	0	Ν	М	L	Κ	J	T	Н	G	F	Е	D	С	В	Α
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

### ARRANGE THE GIVEN WORDS IN DICTIONARY ORDER FORMATION OF A WORD FROM THE LETTERS OF A GIVEN WORD

To form a word from the given letters we can take each letter at most as many times as the given word consists of it.

5. Which of the following words will come second, if all of them are arranged alphabetically as in a dictionary?
(a) Beautiful
(b) Banana
(c) Basket
(d) Bomb

## Explanation (c):

Clearly, the first letters of all the words are the same.

So, we consider the second letters.

The second letters are a, e and o.

We know that 'a' comes before 'e' and 'o' in the English alphabet.

So, we consider the words whose second letter is 'a'.

Now, the second letter 'a' is in two words 'Banana' and 'Basket'.

Their third letters are 'n' and 's'. 'n' comes before's' in the English alphabet.'n'lies in Banana.

So, 'Banana' will be put first in the dictionary and then 'Basket'.

Therefore, 'Basket' comes in second.

So, the correct option is (c).