

## ALPHABET TEST

Alphabet Test is one of the most important sections of the Reasoning sections. We all know about the alphabets such as A to Z but most of us fail to give the correct answer to the questions asked from this section as they are designed in a tricky way. Before starting out let us see some of the basic concepts we should know to proceed further in this section.

### Points to Remember:

- “A” Preceded by “B” means B A
- “A” Followed by “B” means A B
- “A” Precedes “B” means A B
- “A” Follows “B” means B A
- The Vowels are A, E, I, O, U
- The Consonants are B, C, D, F, G, H, J, K, L, M, N, P, Q, R, S, T, V, W, X, Y, Z
- A number which is divisible by any number except 1, are known as Prime Numbers.
- Examples of Prime Numbers are 2, 3, 5, 7, 11, 13, 17, 19, 23, etc.
- A number which is divisible by 2, is known as Even Numbers.
- Examples of Even Numbers are 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, etc.
- A number which is not divisible by 2, is known as Odd Numbers.
- Examples of Odd Numbers are 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, etc.

### Types of Alphabet Test

As now we know what consists of an Alphabet Test reasoning section. Let us see the various types of Alphabet Test one by one from below.

#### 1. Number Series (Group Based)

The first type in the Number Series in which a group of numbers will be given and based on that multiple operations need to be performed on them such as Addition, Multiplication, Interchanging of digits and so on.

**Given Series:** 567 289 376 189 852

**Example:** If 1 is added to the 2nd digit of each number and then the position of the first and last digits are interchanged, which of the following will be the highest number?

**Solution:** Given Series: 567 289 376 189 852

By adding 1 with the 2nd digit we get: 577 299 386 199 862

Now if we interchange the first and last digits then we get: 775 992 683 991 268

Therefore, 992 is the highest number which came from 289

## 2. Alphabet Series (Group Based)

In this type of Series a group of alphabets will be given and based on that multiple operations need to be performed on them such as arrange in dictionary or reverse dictionary order, interchanging of alphabets and so on.

**Given Series:** DEW BIG RAW FAN DOG

**Example:** If the position of the first and last alphabets of each word are interchanged and arranged in dictionary order then, which word comes last?

**Solution:** Given words are DEW BIG RAW FAN DOG

On interchanging the first and last alphabet we get the series as

WED GIB WAR NAF GOD

Now if we arrange the series in dictionary order then we get the series like this

GIB GOD NAF WAR WED

### 3. Mixed Series

Mixed Series involves the arrangement of numbers, letters and symbols in a certain way.

Questions from Mixed Series will involve questions based on positions only. No types of operations will need to be performed in these types of questions.

**Given Series:** A B 6 P 7 2 Z @ X ? V T W # & N S L %

**Example:** What element in 6th to the left of the 12th element from the left end?

**Solution:** If we carefully observe the given series then the 12th position from the left end is **T**. (A B 6 P 7 2 Z @ X ? V T W # & N S L %)

Whereas, the 6th position to the left of the 12th element is **2**. (A B 6 P 7 2 Z @ X ? V T W # & N S L %)

Therefore, the answer will be 2 is the 6th to the left of the 12th element from the left end.

### 4. Creating New Words

In this type of Alphabet Test reasoning section candidates will be given a few letters from which they need to find if the given letters are making a meaningful word or not. If meaningful words are present or can be formed using the given letters then questions such as how many meaningful words can be formed at any position can also be asked.

**Example:** How many meaningful English words can be formed with the help of letter T, A, E such that no letter is missed, and no letter is repeated.

**Solution:** T A E, we can clearly see that various words can be formed by using these 3 letters such as TEA, EAT and ATE. So the answer is 3 meaningful words can be formed.

## 5. Position of Letters and Numbers in a Word

In this type of questions, candidates need to find the pairs of letters or digits which may have as many letters or digits between them as in words or numbers between them in the English Alphabetical Series and Number Sequence explained above.

**Example:** How many such letters are there in the word “INTERNET” after arranging the letters of the word in alphabetical order each of which has as many letters between them in the word, as they have between them in English Alphabetical series? (forward direction)

**Solution:** The word “INTERNET” can be represented as follows.

Letters	I	N	T	E	R	N	E	T
Alphabet Position	9	14	20	5	18	14	5	20

As we can see, 2 such pairs are there such as NT and IN.

## How to Solve Question Based on Alphabet Test – Know all Tips and Tricks

Candidates can find various tips and tricks from below for solving the questions related to the Alphabet Test reasoning section.

**Tip # 1:** For questions such as the example of the Number Series type alphabet test reasoning highest number after interchanging the first and last digits were asked. To solve these types of questions candidates don't need to add 1 to the 2nd digit of every number, instead they should check the last digit of each number only.

**Tip # 2:** For questions where the lowest number after arranging the digits in increasing order is asked, candidates should check which number has the lowest digit.

**Tip # 3:** For the questions where the number of words are starting with vowels after replacing vowels of each word by its next letter and consonant by its previous letter is asked. Candidates must replace only the first letter of the word which is starting with a consonant.

**Tip # 4:** Left – Left means from the left end, Right + Left means from left end, and Right – Right means from the right.

