



Permutation And Combination Questions Overview

Permutation And Combination Questions have a good weightage in the Ssc Chsl Exam and the type of question asked in Ssc Chsl exam is similar to the question mentioned below. It has been solved and explained by KD Live Experts under the guidance of Neetu Mam and they have tried to elaborate the concept used in Permutation And Combination Questions.

Question On Permutation And Combination

How many words can be created using the letters of the word 'TESTIMONIAL' such that all the vowels are exactly in the middle of the words?

Difficulty : Moderate

Average Time : 36 Seconds

Permutation And Combination Questions Options

1. 14400
2. 21600
3. 30240
4. 43200
5. 36420

Permutation And Combination Questions Solution

The correct answer is **option 2** i.e. **21600**

'TESTIMONIAL'

The word has 5 vowels: E, I, O, I, and A [1 vowel 'I' is repetitive]

And 6 Consonants: T, S, T, M, N and L [1 Consonant 'T' is repetitive]

Given: all the vowels are in the exact middle of the words

That means the 5 vowels will take the middle 5 positions only in the word.

Hence, the position of 5 vowels is fixed and so for the position of 6 consonants only shuffling will be done.

Hence,

Possible number of words = $(5!/2!) \times (6!/2!)$

= $120/2 \times 720/2$

= 60×360

= **21600**

Permutation And Combination Questions Tips and Tricks



1. Try to solve Permutation And Combination Questions without taking any help from the solutions.
2. Permutation And Combination Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the



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Permutation And Combination Questions. She has guided her team to provide the best explanation for the question.



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