



Statistics Questions Overview

Statistics Questions have a good weightage in the Ssc Cgl Exam and the type of question asked in Ssc Cgl 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 Statistics Questions.

Question On Statistics

What is the sum of the first 12 terms of an arithmetic progression, if the 3rd term is -13 and the 6th term is -4?

Difficulty : Moderate

Average Time : 32 Seconds

Statistics Questions Options

1. -30
2. -45
3. 45
4. 30

Statistics Questions Solution

The correct answer is **Option 1** i.e. -30.

Case I:

$$T_3 = -13$$

$$a + (3 - 1)d = -13$$

$$a + 2d = -13 \quad \dots(i)$$

Case II:

$$T_6 = -4$$

$$a + (6 - 1)d = -4$$

$$a + 5d = -4 \quad \dots(ii)$$

On subtracting (ii) from (i), we get:

$$a + 5d - a - 2d = -4 + 13$$

$$3d = 9$$

$$d = 3$$

Now, Put the value of d in equation (i)

$$a + 2d = -13$$

$$a = -13 - 6$$

$$a = -19$$

And, $n = 12$ [Given]

Formula:

$$\text{Sum} = n/2[2a + (n - 1)d]$$

$$\text{Required AP} = -19, -16, -13, -10 \dots\dots t_{12}$$

$$\text{Sum} = 12/2[2(-19) + (12 - 1)3] = 6[-38 + 33] = 6(-5) = -30$$

Hence, the sum of the first 12 terms of a given arithmetic progression is -30

Statistics Questions Tips and Tricks



1. Try to solve Statistics Questions without taking any help from the solutions.
2. Statistics 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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Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Statistics Questions. She has guided her team to provide the best explanation for the question.



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