



Time Speed And Distance Questions Overview

Time Speed And Distance 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 Time Speed And Distance Questions.

Question On Time Speed And Distance

A man is standing between two parallel cliffs and fires a gun. If he hears the echoes after 3 sec and 4 sec from the two cliffs respectively, What is the distance between the cliffs, if the velocity of sound in air is 340 m/sec?

Difficulty : Moderate

Average Time : 42 Seconds

Time Speed And Distance Questions Options

1. 1190 metres
2. 1200 metres
3. 1150 metres
4. 1260 metres

Time Speed And Distance Questions Solution

The correct answer is **option1** i.e **1190 meters**

Let d is the total distance between two cliffs.

And x is the distance between the man and the cliff,

Speed

= Distance / Time

The total distance covered by sound to hear an echo is the distance go from the man to the reflection point and come back from reflection point to the man.

If $T_1 = 3$ sec

$T_2 = 4$ sec



$$2x = 340 \times 3$$

$$x = 170 \times 3 = 510$$

Again,

$$2(d - x) = 340 \times 4$$

$$d = 170 \times 4 + 510 = 680 + 510$$

$$= 1190 \text{ metres}$$

Time Speed And Distance Questions Tips and Tricks



1. Try to solve Time Speed And Distance Questions without taking any help from the solutions.
2. Time Speed And Distance 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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Further Guidance on Time Speed And Distance Questions

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About KD Live

KD live has an expertise in providing apt explanations for the Time Speed And Distance Questions since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Cgl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Time Speed And Distance Questions. She has guided her team to provide the best explanation for the question.