

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.

Comprehension On Time Speed And Distance Questions

Directions: Given below are two statements based on one condition. Solve both statements and find how many statements is/are correct.

Question On Time Speed And Distance

A boat covers 20 km distance downstream and 16 km upstream in 6 hours where it also covers 15 km downstream and 22 km upstream in 7 hours. I. Speed of the boat is 8 km/h II. Total time taken by the boat to cover the total downstream distance is 3 hour 30 minutes.

Difficulty : Moderate

Average Time : 50 Seconds

Time Speed And Distance Questions Options

1. Only statement (I) is correct
2. Only statement (II) is correct
3. Both statements are correct
4. None statement is correct

Time Speed And Distance Questions Solution

The correct answer is **option 2** i.e. **Only statement (II) is correct.**

For statment I:

Calculations:

Let the speed of boat be u and speed of stream be v .

Downstream speed = x

Upstream speed = y

According to the question;

$$20/x + 16/y = 6 \quad \text{---- (1)}$$

$$15/x + 22/y = 7 \quad \text{----- (2)}$$

Solving both equation, we get

$$x = 10 \text{ and } y = 4$$

Hence, downstream speed = $u + v = 10$

upstream speed = $u - v = 4$

we have, $2u = 14$

$$u = 7 \text{ km/h}$$

For statement II:

Total distance travelled downstream = $20 + 15 = 35 \text{ km}$

downstream speed = $7 + 3 = 10 \text{ km/h}$

Time taken = $35/10 = 3.5$ hours or 3 hours 30 minutes.

Hence, Only statement (II) is correct.

Time Speed And Distance Questions Tips and Tricks



- 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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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](#).



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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 Time Speed And Distance Questions. She has guided her team to provide the best explanation for the question.



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