

## Science Questions Overview

Science 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 Science Questions.

## Question On Science

Two resistors R<sub>1</sub> and R<sub>2</sub> having resistance 10 and 20 respectively are connected in parallel in an electric circuit. If the potential difference across the electric circuit is 10 V, find the electric current flowing through the circuit.

Difficulty : Moderate

Average Time : 36 Seconds

## Science Questions Options

1. 1.5 A
2. 2.0 A
3. 2.5 A
4. 1.0 A

## Science Questions Solution

The correct answer is **option 1** i.e. **1.5 A**.

Given,

$$R_1 = 10, R_2 = 20, \text{ and Potential difference (V)} = 10 \text{ V}$$

We know that in parallel combination, the reciprocal of total resistance is;

$$1/R = 1/R_1 + 1/R_2$$

$$= 1/10 + 1/20$$

$$= (2 + 1)/20 = 3/20$$

$$\text{Total resistance, } R = 20/3$$

Now, electric current through the circuit,  $I = V/R$

Or,  $I = 10V \div (20/3) = 1.5 A$

Electric current (I) through the circuit = 1.5 A

## Science Questions Tips and Tricks



1. Try to solve Science Questions without taking any help from the solutions.
2. Science 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 KD Live

KD live has an expertise in providing apt explanations for the Science 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 Chsl 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 Science Questions. She has guided her team to provide the best explanation for the question.