Time Speed And Distance Questions Overview

Time Speed And Distance Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Time Speed And Distance Questions.

Question

What is the speed of car (in km/hr), which overtakes a running train in 20 second. Length of train is 180 meter and its speed is 33% less than speed of car. (Car's length is negligible)

Difficulty : Moderate   **Average Time : 36 Seconds**

Options :

1. 100 km/hr

2. 81 km/hr

3. 105 km/hr

4. 90 km/hr

5. 97.2 k/hr

Solution

The correct answer is **option 5** i.e. **97.2 km/hr**

Distance = 180 meter
Time = 20 second
Relative speed of train and car = 180/20 = 9 m/s
Let speed of car = m/s
o speed of train = 2/3 m/s
– 2/3 = 9 m/s
= 27 m/s
Speed of car in km/hr = (27×18)/5 = 97.2 km/hr