

# Trigonometry Questions Overview

Trigonometry 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 Trigonometry Questions.

## Question

The difference between downstream speed and upstream speed of boat is 6 km/hr and boat travels 72 km from P to Q (downstream) in 4 hours. Then find the speed of boat in still water?

Difficulty : Moderate

Average Time : 33 Seconds

Options :

1. 15 km/hr
2. 18 km/hr
3. 20km/hr
4. 16 km/hr
5. 24 km/hr



## Solution

The correct answer is **option 1** i.e. **15 km/hr**

Let the speed of boat in still water be  $x$  km/hr and that of stream be  $y$  km/hr

ATQ,

$$(x + y) - (x - y) = 6$$

$$2y = 6 \quad y = 3 \text{ km/hr}$$

$$\text{Downstream stream} = (x + y) = 72/4 = 18 \text{ km/hr}$$

$$x = 15 \text{ km/hr}$$