

Partnership Questions Overview

Partnership 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 Partnership Questions.

Question

A, B, and C invest in a business. The ratio of amounts A and B invested is 6 : 7, whereas the ratio of amounts B and C invested is 4 : 5. If A, B, and C invest for 6, 8, and 3 months respectively and the total profit earned is Rs.70950 then, what is the share of A in total profit?

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. 20800
2. 21600
3. 22400
4. 23200

Solution

The correct answer is **Option 2** i.e. **21600**.

Let the amount invested by A and B be $6x$ and $7x$ respectively

$$\text{Amount invested by C} = (7x/4) \times 5 = 8.75x$$

Profit Duration of investment \times Amount Invested

$$\text{Profit of A : B : C} = (6x \times 6) : (7x \times 8) : (8.75x \times 3)$$

$$36 : 56 : 26.25$$

$$\text{Share of A} = 70950 \times 36 / (36 + 56 + 26.25) = \text{Rs } 21600$$