

Pipes And Cistern Questions Overview

Pipes And Cistern 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 Pipes And Cistern Questions.

Question

If Pipes A and B can fill a tank in 15 min and 20 mins respectively and pipe C empties the tank in 12 mins. what will be the time taken by A, B and C together to fill the tank completely?

Difficulty : Moderate

Average Time : 36 Seconds

Options :

1. 25 min
2. 30 min
3. 40 min
4. 20 min
5. 35 min



Solution

The correct answer **option 2** i.e. **30 minutes**

$$\begin{array}{r} A \quad B \quad C \\ 15 \quad 20 \quad 12 \\ +4 \quad +3 \quad -5 \\ \hline 60 \end{array}$$

tank filled in 1 min = 2 units

Total time = $60/2 = 30$ minutes