

# Mixtures And Alligations Questions Overview

Mixtures And Alligations 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 Mixtures And Alligations Questions.

## Question

Three partners A , B and C invested their amounts in ratio 7 : 5 : 3. At the end of six months, A withdraws his amount such that his total investment will be equal to C's initial investment. If C' share in annual Profit is Rs. 3600. A's annual profit will be?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Rs. 6000
2. Rs. 7000
3. Rs. 4500
4. Rs. 9000
5. None of these

## Solution

The correct answer is **option 1** i.e. **Rs. 6000**

Let their initial investments be  $7x$ ,  $5x$  and  $3x$  respectively

Ratio of their profit =  $7x \times 6 + 3x \times 6$  :  $5x \times 12$  :  $3x \times 12$

=  $60x$  :  $60x$  :  $36x$

=  $15$  :  $15$  :  $9$

A's profit =  $3600 \times \left(\frac{39}{9}\right) \times \left(\frac{15}{39}\right)$

= Rs. 6000