

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

A vendor sells potatoes at a cost price, but he mixes some rotten potatoes and thereby gains 20%. The percentage of rotten potatoes in the mixture is _____.

Difficulty : Moderate

Average Time : 32 Seconds

Options :

1. 12.8%
2. 16.7%
3. 9.7%
4. 7.1%

Solution

The correct answer is **Option 2** i.e. **16.7%**.

Let the cost price of 100 kg potato is Rs. 100

The selling price of 100 kg potato is Rs.100

But, profit percent = 20%

Cost price \times 120% = 100

Cost price = Rs. 83.3

We know that in Rs. 83.3 we can buy only 83.3 kg of potato.

The quantity of rotten potato = $100 - 83.3 = 16.7$ kg

The percentage of rotten potato = $(16.7/100) \times 100\% = 16.7\%$