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

If circumference of first circle is 132 cm and circumference of second circle is 110 cm then find the difference between area of both the circle?

Difficulty : Moderate

Average Time : 32 Seconds

Options :

1. 423.5 cm^2
2. 412.5 cm^2
3. 420 cm^2
4. 422.4 cm^2
5. 419.8 cm^2

Solution

The correct answer is **option 1** i.e. **423.5 cm^2**

Radius of first circle= 132×7/2×22 = 21 cm

Area of first circle= 22/7 × 21 × 21 = 1386 cm^2

Radius of second circle= 110×7/2×22 = 17.5 cm

Area of second circle= 22/7 × 17.5 × 17.5 = 962.5 cm^2

Required difference=423.5 cm^2