

Quadratic Equation Questions Overview

Quadratic Equation 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 Quadratic Equation Questions.

Quadratic Equation Questions

Directions: In the following questions, two values (A and B) are given. You have to choose the apt relationship between A and B. Use your mathematical knowledge to evaluate the value of A and B.

Question

A: Total Surface Area of the cube with the biggest diagonal 10 cm. B: Area of the circle of radius 14 cm.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. A > B
2. A < B
3. A = B or no relationship.
4. A < B
5. A > B

Solution

The correct answer is **option 5** i.e. **A > B**

A: Side of the cube = $(10/\sqrt{3})$

$$\text{Total surface area} = 6 \times \text{side}^2 = 6 \times \frac{100}{3} = 200 \text{ cm}^2$$

$$\text{B: Area of the circle} = 3.14 \times 14^2 = 615.44 \text{ cm}^2$$