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 you mathematical knowledge to evaluate the value of A and B.

Question

A: (22 + 12% of 150) is A% of 240 B: Discount percentage. Mark-up percentage of an article is 80% and profit is 20%

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: (22 + 12% of 150) is A% of 240

(22 + 18) is A% of 240

40 is A% of 240

A = (40/240) × 100 = 16.67%

B:

Let Cost price = 100

Marked price = (100 + 80) % of 100 = 180

Profit = 20%

Selling price = (100 + 20) % of 100 = 120

(100 - d) % of 180 = 120

(100 - d)/100 = 120/180

200 = 300 - 3d

d = 100/3 = 33.33%

B > A