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.

Question

Ganesh is a mathematics enthusiast and owns a restaurant. He numbers days of week starting from Sunday till Saturday as (1 - 7), Sunday as 1, Monday as 2 and so on. On each day he rolls a dice and multiplies the result with the days number (if he gets a six on Monday, product is 6 × 2 = 12). He intends to have special discount rates on days having this product as 25 or more, the probability of getting discount is?

Difficulty : Moderate   **Average Time : 44 Seconds**

Options :
1. 1/4
2. 3/14
3. 1/6
4. 5/21
5. None of these

Solution

The correct answer is **Option 3** i.e. **1/6**

Total number of cases possible = 7 × 6 = 42 [(1,1), (1,2) .... (7,6)]

Number of favourable cases = 7 [5, 6 on day 5/ 5, 6 on day 6/ 4, 5, 6 on day 7]

Probability = 7/42 = 1/6