



# Nishant eAcademy

## CBSE Sample Paper Class 7 Mathematics 2022-23

Subject: Mathematics Class: 7 Maximum Marks: 80 Duration: 2 hours

Section A: Multiple Choice Questions (1 mark each)

1. What is the value of  $5 + 8 * 2$ ? (a) 26 (b) 21 (c) 16 (d) 11
2. Which of the following is a prime number? (a) 1 (b) 10 (c) 17 (d) 27
3. The perimeter of a square with side length 6 cm is: (a) 24 cm (b) 12 cm (c) 36 cm (d) 18 cm

Section B: Short Answer Questions (2 marks each)

4. Solve the equation:  $2x + 5 = 15$
5. Find the LCM of 4 and 6.
6. A school library has 345 books. If 187 more books are donated, how many books will the library have in total?

Section C: Long Answer Questions (3 marks each)

7. The area of a rectangle is 45 sq. units and its length is 9 units. Find its width.
8. A fruit seller sold 48 kg of bananas in the morning and 73 kg in the evening. Find the total weight of bananas sold by the seller in the day.
9. The sum of two consecutive odd numbers is 64. Find the numbers.

Section D: Higher Order Thinking Questions (5 marks each)

10. The ages of three friends are in the ratio of 3:4:5. If the sum of their ages is 72 years, find their ages.
11. In a school election, 5 candidates A, B, C, D, and E participated. Out of 600 votes, candidate D received 135 votes and candidate B received 180 votes. The remaining votes were distributed among the other candidates equally. Find the number of votes received by each of the remaining candidates.
12. A circular garden has a radius of 14 meters. Calculate the area of the garden. (Take  $\pi = 22/7$ )