Nishant eAcademy

CBSE Sample Paper Class 7 Mathematics 2019-20

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

Section A: Multiple Choice Questions (1 mark each)

1. Which of the following is an irrational number? (a) √9 (b) 1.5 (c) 0 (d) π

2. What is the value of 7^3 ÷ 7^2? (a) 7 (b) 49 (c) 14 (d) 1

3. The perimeter of a square is 24 cm. What is the length of one side? (a) 6 cm (b) 8 cm (c) 12 cm (d) 24 cm

Section B: Short Answer Type Questions (2 marks each)

4. Solve the equation: $3x + 7 = 22$

5. Find the area of a rectangle with length 8 cm and width 5 cm.

6. Simplify: $(4 + 3) \times 5 - 2$

Section C: Long Answer Type Questions (3 marks each)

7. The sum of three consecutive integers is 72. Find the three integers.

8. A shopkeeper sold a chair for Rs. 750, making a profit of 25%. Find the cost price of the chair.

9. The radius of a circular garden is 7 meters. Find its circumference and area.

Section D: Application-based Questions (5 marks each)

10. A bookshelf has 4 shelves. The first shelf contains 10 books, the second shelf contains 8 books, and the third shelf contains 15 books. If the remaining shelf can hold 12 books, how many more books are needed to fill the shelf completely?

11. A train travels a distance of 540 km in 6 hours. Find its speed in kilometers per hour.

12. The length of a rectangular field is 18 meters more than its width. If the perimeter of the field is 72 meters, find its length and width.