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Date: __ / __ / __

Name: _____

Max Marks: 25

Section A (One Marks Each)

1. The area of a rhombus is 240 cm^2 and one of the diagonals is 16 cm. Find the other diagonal?
2. Find the volume of a cuboid length = 9 cm, breadth = 6 cm, height=3 cm
3. The area of rectangle is 324 cm^2 and its length is 24 cm. Find its breadth and also find perimeter of rectangle?

Section B (Two Mark Each)

4. A square has a side 60 m and a rectangular field with length 80 m have the same perimeter. Which field has a larger area?
5. A flooring has the shape of a parallelogram whose base is 24 cm and the corresponding height is 10 cm. How many such tiles are required to cover a floor of area 1080 m^2 ?
6. The area of a trapezium shaped field is 480 m^2 , the distance between two parallel sides is 15m and one of the parallel side is 20 m. Find the other parallel side?

Section C (Three Mark Each)

7. Find the side of the cube whose surface area is 600 cm^2 ?
8. A rectangular piece of paper $11 \text{ cm} \times 4 \text{ cm}$ is folded without overlapping to make a cylinder of height 4 cm. Find the volume of the cylinder?
9. In a building there are 24 cylindrical pillars. The radius of each pillar is 28 cm and height is 4 m. Find the total cost of painting the curved surface area of pillars at the rate of Rs. 8 per m^2 .
10. A rectangular paper of width 14 cm is rolled along its width and a cylinder of radius 20 cm is formed. Find the volume of the cylinder?

Section D (Four Mark Each)

11. The volume of a cylinder is 154 cm^3 . Its curved surface area is 88 cm^2 . Find the radius of the base and height of the cylinder.