



**Paper by: Dev Anoop, Mathematics Teacher, Bathinda (Punjab)**

**Time 1 h**

**Perimeter & Area VII**

**MM 20**

**1 Mark Each**

1. Find area of a square park whose perimeter is 40cm.
2. Find area of a parallelogram whose one side is 8cm and corresponding altitude is 6cm.
3. Find area of a triangle whose one side is 4cm and corresponding altitude is 3cm.

**2 Marks Each**

4. Find perimeter of semicircular shape shown in figure.



5. From a circular sheet of radius 7cm, a circle of radius 3.5cm is removed. Find the area of the remaining sheet.
6. Find the area of a quadrilateral whose one diagonal is 24cm and lengths of perpendiculars to this diagonal from opposite vertices are 10cm and 8 cm.
7. ABCD is a parallelogram in which  $AB = 6\text{cm}$ ,  $BC = 4\text{cm}$ , altitude CE to  $AB = 5\text{cm}$ . Find DF altitude to BC.

**3 Marks Each**

8. A rectangular park is 60m long and 50m wide. A path 2.5m is constructed outside the park. Find the area of the path.
9. A path of width 5m runs all along inside a square park of side 100m. Find area of the path.
10. Two cross roads each of width 4m each run at right angles to each other through the centre of a rectangular park of length 120m and breadth 80m and parallel to its sides. Find the area of the park not included in the cross roads.



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