Board-ICSE	Class – 7ᵗʰ	Topic – Perimeter & Area

Section A – MCQs (1Mark Each)

1. PQRS is a rectangle of dimensions 42 cm × 15 cm. Its perimeter is:
   a) 114cm   b) 120cm   c) 128cm   d) 132cm

2. A square wire of side 15m is rebent into a rectangle of width 12m. Its length is:
   a) 14m   b) 16m   c) 18m   d) 20m

3. A garden of dimensions 20 m × 16 m has a square platform of side 3m in the center. The cost of weeding is 7 per m². What is the area to be weeded?
   a) 320m²   b) 247m²   c) 287m²   d) 301m²

4. The circumference of a circle is 176cm. Its radius is:
   a) 28cm   b) 42cm   c) 56cm   d) 22cm

5. A rectangle of size 110 m × 75 m is to be turfed at 15 per m². What will be the total cost?
   a) 123,750   b) 124,000   c) 123,000   d) 122,250

Section B – Short Answer (2Marks Each)

6. A square has a side of 24cm. A rectangle has the same area and a length of 32cm. Find the breadth of the rectangle.

7. A rectangular plot has an area of 1728m². The sides are in the ratio 4:3. Find its perimeter and the cost of fencing at 40 per metre.

8. The diagonal of a rectangular board is 1m and its length is 96cm. Find its breadth and area.

Section C – Narratives (3Marks Each)

9. A field measuring 30 m × 22 m has a gate of area 9 m × 4 m removed. If the cost of grass is 45 per m², what is the total cost to grass the remaining field?

10. A square lawn has a path 2.5m wide all around it. If the area of the path is 165m², find the area of the lawn.

Section D – HOTS (4Marks Each)

11. The circumference of a circle is 440cm. Find its radius and diameter. (Use $\pi = \frac{22}{7}$).

12. A wire is bent to form a square of area $484cm^2$. It is then re-bent to form the largest possible circle. Find the radius and area of the circle.