Areas Related to Circles : Worksheet -7

1. Find the area of a sector of a circle with radius 6 cm if angle of the sector is 60°.

2. Find the area of a quadrant of a circle whose circumference is 22 cm.

3. The length of the minute hand of a clock is 14 cm. Find the area swept by the minute hand in 5 minutes.

4. A chord of a circle of radius 10 cm subtends a right angle at the centre. Find the area of the corresponding:
   (i) minor segment

   (ii) major sector.

5. In a circle of radius 21 cm, an arc subtends an angle of 60° at the centre. Find:

   (i) the length of the arc

   (ii) area of the sector formed by the arc

  (iii) area of the segment formed by the corresponding chord

6. A chord of a circle of radius 15 cm subtends an angle of 60° at the centre. Find the Areas of the corresponding minor and major segments of the circle.