AREAS RELATED TO CIRCLE

SEGMENT OF CIRCLE AND ITS AREA

EXERCISE

Q.1 A chord AB of a circle of radius 15 cm makes an angle of 60º at the centre of the circle. Find the area of the major and minor segment.

(Take $\pi = 3.14$, $\sqrt{3} = 1.73$)

Q.2 A chord of a circle of radius 10 cm subtends a right angle at the centre. Find:

(i) area of the minor sector

(ii) area of the minor segment

(iii) area of the major sector

(iv) area of the major segment (Use $\pi = 3.14$)

ANSWER KEY

1. 20.295 cm^2, 686.205 cm^2

2.   (i) 78.5cm^2

       (ii) 28.5cm^2

       (iii) 235.5cm^2

       (iv) 285.5 cm^2