

## Class 9

# CIRCLES

Fill in the blanks:

- (i) The centre of a circle lies in..... of the circle. (exterior/ interior)
- (ii) A point, whose distance from the centre of a circle is greater than its radius lies in .....of the circle. (exterior/ interior)
- (iii) The longest chord of a circle is a .....of the circle.
- (iv) An arc is a..... when its ends are the ends of a diameter.
- (v) Segment of a circle is the region between an arc and .....of the circle.
- (vi) A circle divides the plane, on which it lies, in .....part

Write True or False:

- (i) Line segment joining the centre to any point on the circle is a radius of the circle.
- (ii) A circle has only finite number of equal chords.
- (iii) If a circle is divided into three equal arcs, each is a major arc.
- (iv) A chord of a circle, which is twice as long as its radius, is a diameter of the circle.
- (v) Sector is the region between the chord and its corresponding arc.