NAME: _____

I) CHOOSE THE CORRCET ANSWER:

1) The number of secant that can be drawn to a circle is _____

a) 2   b 1   c) 0   d) infinity

2) The diameter of a circle is 10.2 cm then its radius is _____

a) 3.1 cm   b) 5.1 cm   c) 4.1 cm   d) 15.5 cm

3) We can draw_____ tangents to a given circle.

a) 1   b) 2   c) 0   d) infinite

4) A tangent PQ at a point 'P' of a circle of radius 5 cm meets a line through the centre'O' At a point 'Q' so that OQ=12 cm then the length of PQ is___

a) 13 cm   b) √119cm   c) 24 cm   d) 25 cm

5) What is the length of tangent from a point 15cm away from the centre of circle of Radius 9 cm.

a) 14 cm   b) 12 cm   c) 13 cm   d) 16 cm

6) The angle between a tangent to a circle and the radius drawn at the point of contact is

a) 45˚   b 180 ˚   c) 90˚   d) 60˚

7) From a point 'Q' the length of the tangent to a circle is 24 cm, and the distance of 'Q' From the centre is 25 cm, then the radius of the circle is _____

a) 12 cm   b) 15 cm   c 24.5 cm   d) 7 cm

8) If tangents PA and PB from a point 'P' to a circle with centre 'O' are inclined to each Other at angle of 80˚ then POA is equal to _____

a) 60˚   b) 50˚   c) 80˚   d)70˚

9) The common point of a tangent to a circle and the circle is called _____

a) Point of intersection   b) point of contact   c) intersecting point d) all

10) A circle can have _____ parallel tangents at the most.

a) 0ne   b) two   c) many   d) five