DAV MODEL SCHOOL , PJHEP, TS GENCO
REVULAPALLY

CLASS: X SUB: MATHEMATICS MARKS: 10

WORKSHEET-1

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) One b) two c) many d) five