Std 10 (English)   <u>**Mathematics Part - II**</u>

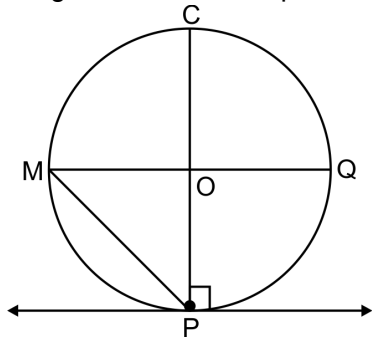| **Time 1HRS**	**Chapter chp 4th**	**Marks 20**

Q.1   Multiple Choice Questions   **1**

1   Tangent drawn from a point P on the circle is perpendicular to ....

a. Chord MP   b. Chord OM   c. Radius OQ   d. Diameter CP

Q.2   Answer the following.   **1**

1   Draw a tangent at any point R on the circle of radius 3.4 cm. and centre 'P'.

Q.3   Answer the following   **4**

1   Draw a circle of radius 3.6. Draw a tangent to the circle at any point on it without using centre.

2   Construct a tangent to a circle with centre P and radius 3.2 cm at any point M on it.

Q.4   Solve the following   **6**

1   Draw a tangent at any point 'M' on the circle of radius 2.9 cm and centre 'O'.

2   Draw a circle of radius 2.6 cm. Draw a tangent to the circle from any point on the circle using centre of the circle.

Q.5   Answer the following (Non textual)   **8**

1 $\triangle$ AMT ~ $\triangle$ AHE. In $\triangle$ AMT, MA = 6.3 cm, $\angle$A = 120º, AT = 4.9 cm and $\dfrac{MA}{HA} = \dfrac{7}{5}$ then draw $\triangle$AHE.

2   Draw an isosceles triangle with base 5 cm and height 4 cm. Draw a triangle similar to the triangle drawn whose sides are $\dfrac{2}{3}$ times the sides of the triangle.