

11. CONSTRUCTIONS

4 MARK QUESTIONS

1. Construct a tangent to a circle of radius 1.8 cm from a point on the concentric circle of radius 2.8 cm and measure its length. Also, verify the measurement by actual calculation.
2. Draw a right angled $\triangle ABC$ in which $AB = 6$ cm, $BC = 8$ cm and $\angle B = 90^\circ$. Draw BD perpendicular from B on AC and draw a circle passing through the points B , C and D . Construct tangents from A to this circle.
3. Divide a line segment of length 9 cm internally in the ratio 4:3.
4. Draw a $\triangle ABC$ in which $AB = 4$ cm, $BC = 5$ cm and $AC = 6$ cm. Then, construct another triangle whose sides are $\frac{3}{5}$ of the corresponding sides of $\triangle ABC$.

###