

SECTION A 1 Mark each

- Q1. Draw a circle of radius 4 cm and take a point on it. Construct a tangent at this point.
- Q2. Draw an angle of 157.5°
- Q3. Draw a line segment of 5 cm and divide it in 5 equal parts.
- Q4. Draw a line segment of 7 cm and divide it internally in ratio 3:7
- Q5. Draw a triangle with sides 5cm, 6 cm and angle between these sides 60°

SECTION A 3 Mark each

- Q6. Construct an equilateral triangle with side 5.5 cm. Construct a triangle similar to this triangle with sides $\frac{3}{5}$ th of sides of given triangle.
- Q7. Draw a pair of tangents to a circle of radius 4.8 cm which are inclined to each other at 30°
- Q8. Construct a triangle similar to a given ΔABC with its sides equal to $\frac{5}{4}$ th of corresponding sides of ΔABC
- Q9. Draw a circle with centre O and radius 4 cm. Take a point outside the the circle at a distance of 6 cm from its centre. Draw a pair of tangents from P to the circle.
- Q10. Draw a circle of radius 4 cm. Take a point P outside it and without using the centre draw a pair of tangents to the circle.