

Revision Notes
CHAPTER – 14
Practical Geometry

This chapter deals with methods of drawing geometrical shapes.

- We use the following mathematical instruments to construct shapes:

1. A graduated ruler
2. The compasses
3. The divider
4. Set-squares
5. The protractor

- Using the ruler and compasses, the following constructions can be made:

1. A circle, when the length of its radius is known.
2. A line segment, if its length is given.
3. A copy of a line segment.
4. A perpendicular to a line through a point
 - (a) on the line
 - (b) not on the line.
5. The perpendicular bisector of a line segment of given length.
6. An angle of a given measure.
7. A copy of an angle.
8. The bisector of a given angle.
9. Some angles of special measures such as
 - (a) 90° (b) 45° (c) 60° (d) 30° (e) 120° (f) 135°