

VIII - Mathematics Assignment No-05 - Practical Geometry.

Draw the following Construction with ruler and Compass and the steps of Construction

- Q1. Construct a rhombus ABCD given that side  $AB = 4.5\text{ cm}$  and a diagonal is  $7\text{ cm}$ .
- Q2. Construct a parallelogram ABCD such that  $AB = 5.5\text{ cm}$  and the length of its two diagonals are  $7\text{ cm}$  and  $8\text{ cm}$  respectively.
- Q3. Construct a rectangle ABCD whose one diagonal  $AC = 6\text{ cm}$  and the angle between the diagonals is  $30^\circ$ .
- Q4. Construct a quadrilateral ABCD such that  $AB = BC = 5.5\text{ cm}$ ,  $\angle B = 130^\circ$ ,  $\angle C = 60^\circ$  and  $\angle D = 50^\circ$
- Q5. Construct a parallelogram PQRS such that two diagonals are  $4.5\text{ cm}$  and  $4\text{ cm}$  and angle between them is  $30^\circ$ .