

SHEET NO-5
PROJECTION OF PLANE

- Q.1** A rhombus is having its diagonals 100 mm and 50 mm long. Draw the projections of the rhombus when the longer diagonal is inclined at 30° to the Horizontal Plane and 30° to Vertical Plane.
- Q.2** A semi-circular thin plate of 60 mm diameter, rests on the Horizontal Plane on its diameter, which is inclined at 45° to the Vertical Plane and the surface is inclined at 30° to the Horizontal plane. Draw the projections of the plate.
- Q.3** A hexagonal plate is resting on one of its side on H.P. The side on which it rests makes an angle of 45° with V.P. and the plate makes an angle of 45° with H.P. Draw the projections of the plate.
- Q.4** A $30^{\circ} - 60^{\circ}$ set square of longest side 100 mm long is in VP and its surface 45° inclined to VP. One end of longest side is 10 mm and other end is 35 mm above HP. Draw its projections
- Q.5** An isosceles triangular plate ABC has its base 45 mm and altitude 60 mm. It is so placed that the front view is seen as an equilateral triangle of 45 mm side and base is inclined at 45° to HP,
Draw its plan when its corner A is on HP.