

SHEET NO-6

PROJECTION OF SOLID

- Q.1** A circular cone is of 60 mm base diameter and 80 mm long generator. It is resting on the H.P. with one of the points of its base on it and the apex 55 mm above it. Draw the projection of the cone when the plan of the axis is inclined at 45° to the V.P. Measure the inclination of the cone with the H.P.
- Q.2** A tetrahedron of 50 mm long edges is resting on one edge on Hp while one triangular face containing this edge is vertical and 45° inclined to Vp. Draw projections.
- Q.3** A hexagonal pyramid, side of the base 25 mm long and height 70 mm resting on HP on its side, has one of its triangular faces perpendicular to the HP and inclined at 60° to VP. Draw its projections.
- Q.4** A cylinder 40 mm diameter and 50 mm axis is resting on one point of a base circle on Vp while it's axis makes 45° with Vp and Fv of the axis 35° with Hp. Draw projections.