

CW -7. SECTION OF SOLID

1. A cone , base 60 mm diameter and axis 70 mm long , has one of its generator on the H.P. with its axis parallel to V.P. it is cut by an A.V.P. making 45 degree to V.P. and passing through the mid-point of the axis .Draw the sectional F.V. T.V. and the true shape of the section.
2. A pentagonal pyramid side of base 25 mm and height 60 mm lies on one of its triangular faces on the H.P. and its axis is parallel to V.P. it is cut by a plane perpendicular to H.P. and inclined to V.P. at 30° and passing through the middle point of the top view of axis .Draw the sectional front view and the true shape of section.
3. A hexagonal pyramid is resting on H.P. on one of its triangular faces with axis remaining parallel to V.P. It is cut by A.V.P. making 30 degree with V.P. passing through a point on the axis 33 mm from the apex. Draw plan sectional elevation and the true shape of section. Take side of base 30 mm and height 75mm.
4. A cylinder diameter of base 70 mm and height 90 mm is resting on of its generator with the axis remaining parallel to V.P. It is cut by an A.V.P inclined to V.P. by 30 degree and passing through a point on the axis 50 mm from its one end. Draw the projection with the section.