**Assignment Questions for Sketch Book**

**Sheet No.6 – Projection of Planes Inclined to One Plane**

1. Draw the projections of a square plane of base edge 40 mm whose surface is inclined at an angle 30° to HP and perpendicular to VP and one base edge is perpendicular to V.P.

1. Draw the projections of a pentagonal plane ABCDE of 30 mm side, inclined at 40° to H.P and perpendicular to V.P. and resting on one of its corners on H.P. with one base edge perpendicular to V.P.
2. A plane figure ABCDEF of the shape of a hexagon of 30 mm side has its one edge parallel to VP and is 16 mm in front of it. If the plane is 400­inclined to VP, draw its projections, keeping the lowest corner 12 mm above HP.
3. Draw the top view and front view of a circular lamina of 60 mm diameter if the surface of the lamina is perpendicular to HP and inclined at 40° to VP.

\*\*\*\*