**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-6 Projections of Solids Thursday Morning**

**Full Marks: 100 Date: 26.09.2019**

1. A pentagonal pyramid of base side 30 mm and axis 60 mm has an edge of base parallel to HP. Its axis is parallel to VP and inclined at 45° to the HP. Draw its projections when the apex lies in the HP. [20 marks]
2. A tetrahedron of edge 70 mm is resting on one of its edges in the HP which is inclined at 45° to the VP and a face contained by that edge is inclined at 30° to the HP. Draw its projections. [40 marks]
3. Draw the projections of a cone, base 45 mm diameter and axis 50 mm long, when it is resting on the ground on a point on its base circle with the axis making an angle 30° with the HP and 45° with the VP. [40 marks]