**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 100 Date: 26.09.2019**

1. A hexagonal prism of length of base 25 mm and length of axis 70 mm is resting on the HP on one of its rectangular faces. Draw its projections when its axis is inclined to the VP at 45°. [20 marks]
2. A square pyramid of base side 40 mm and axis 60 mm has a corner of its base in the VP. A slant edge contained by that corner is inclined at 45° to the VP. Draw its projections when a plane containing the slant edge and the axis is inclined at 45° to the HP. [40 marks]
3. A triangular pyramid of edge of base 40 mm and length of axis 60 mm is resting on a side of base on the HP. The axis of the pyramid is inclined at 45⁰ to the HP and 30⁰ to the VP. Draw its projections. [40 marks]