**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 100 Date: 24.09.2019**

1. A square prism of base side 40 mm and axis 60 mm is resting on its base on the ground. Draw its projections when a face is inclined at 30° to the VP. [20 marks]
2. A hexagonal pyramid of base side 30 mm and axis 50 mm, rests on one of its base corners on the ground with the axis inclined at 45° to the HP. Draw its projections when a vertical plane containing the axis and the corner that lies in the HP is inclined at 30° to the VP. [40 marks]
3. A square pyramid with its base equally inclined to VP has a side of 40 mm and length of axis 60 mm is suspended from one of its corners. Draw its projections if the plane containing its axis is inclined at 45° to the VP. [40 marks]