**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 100 Date: 24.09.2019**

1. A pentagonal prism of base side 30 mm and axis 60 mm has one of its bases in the VP. Draw its projections when a face is inclined at 45° to the HP. [20 marks]
2. A frustum of a pentagonal pyramid of base edge 40 mm, top edge 20 mm and axis 60 mm is resting on its face on the HP. Draw its projections when an edge of its base is parallel to the VP and the small base is towards the observer. [40 marks]
3. A square pyramid has a side of 40 mm and length of axis 60 mm is suspended from one of its corners. Draw its projections if the edge of the base closest to the HP is inclined at 50° to the VP. [40 marks]