**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 100 Date: 23.09.2019**

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 pentagonal pyramid of edge of base 30 mm and length of axis 65 mm is resting on a corner of the base on the HP. The triangular face opposite to the corner on the HP is inclined to the HP at 45° with its shorter edge inclined to the VP at 60°. Draw its projections. [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]