**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 100 Date: 23.09.2019**

1. A square pyramid of base side 40 mm and axis 60 mm is resting on its base on the HP. Draw its projections when a side of the base is inclined at 30° to the VP. [20 marks]
2. A pentagonal prism of base side 30 mm and height 60 mm rests on one of its base side on the HP inclined at 30° to the VP. Its axis is inclined at 45° to the HP. Draw its projections. [40 marks]
3. A hexagonal prism of base 25 mm and axis 60 mm has its axis inclined at 30° to HP and 45° to VP. The nearest shorter edge is parallel to HP and 20 mm above the HP. Draw its projection. [40 marks]