**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-5 Projections of Planes Friday Morning**

**Full Marks: 25 × 4 = 100 Date: 13.09.2019**

1. A 30°– 60° set square of longest side 100 mm long is in VP and its surface 45° inclined to VP. One end of longest side is 10 mm and other end is 35 mm above HP. Draw its projections.
2. A rhombus of diagonals 50 mm and 80 mm long respectively having one end of it’s longer diagonal in HP while that diagonal is 500 inclined to HP and makes 300 inclination with VP. Draw it’s projections.
3. A pentagon of 45 mm side is resting on one of its corners on the VP. The edge opposite to that corner makes an angle of 40° to the HP. The surface of the pentagon is inclined at 45° to the VP. Draw the projections.
4. A semi-circular plate of 40 mm diameter rests on its diameter on the HP with the surface inclined at 40° to the HP and the diameter edge AB inclined at 35° to the VP. Draw the projection of the plate.