**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-5 Projections of Planes Thursday Afternoon**

**Full Marks: 25 × 4 = 100 Date: 12.09.2019**

1. A 30° – 60° set square of longest side 100 mm long, is in VP and 30° inclined to HP while it’s surface is 45° inclined to VP. Draw its projections.
2. A square plate of 50 mm side rests on one of the corners on the horizontal table. The surface of the plate makes 40° to the table where both sides containing this corner make equal inclination with horizontal table. The diagonal of that plate through that corner makes 45° to the adjacent vertical window. Draw the projections.
3. A regular hexagon of 25mm sides is resting on HP on one of its sides with its surface inclined at 30° to HP. Draw its projections when the side in HP makes 45° angle with VP.
4. The edge AB of a symmetrical trapezium ABCD (AB = 70 mm, CD = 40 mm, and BC = AD = 50 mm) in in VP. The edge BC is on the HP and plane makes 450 with the VP. Draw the projections of plane.