**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks = 25 x 4 = 100 Date: 07.09.2019**

**Adjustment for Tuesday (10.09.2019) Morning Batch**

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 pentagon of 40 mm side is resting on one of its corners on the VP. The edge opposite to that corner makes an angle of 30° to the HP. The surface of the pentagon is inclined at 45° to the VP. Draw the projections.
3. A square plate of 60 mm side rests on one of the corners on the horizontal table. The diagonal of that plate through that corner makes 45° to the adjacent vertical window. Both sides containing this corner make equal inclination with horizontal table. The surface of the plate makes 55° to the table. Draw the plan view and the view which one observer can see from the front of that table.
4. A semi-circular plate of 50 mm diameter rests on its diameter on the HP with the surface inclined at 30° to the HP and the diameter edge AB inclined at 45° to the VP. Draw the projection of the plate.