**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 25 × 4 = 100 Date: 11.09.2019**

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 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 rectangle of dimension 60 mm x 30 mm rests on its shorter side in the VP and surface is inclined by 50° with VP. Larger side is inclined by 30° with HP. Draw the projections.
4. A thin circular disc of 30 mm diameter lies on VP such that its surface is inclined at 45˚ to VP. The diameter through the point on which the disc lies on VP appears to be inclined at 45˚ to HP in the front view. Draw its projections.