**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**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 circle of 40 mm diameter is resting on HP on end A of its diameter AC which is 40° inclined to HP while its Top view (TV) is 45° inclined to VP. Draw its projections.
3. A rectangular lamina of 40mm and 20mm rests on one of the corners on the HP. The diagonal AC through that corner makes 30° to the VP. The two sides containing this corner make equal inclination with HP. The surface of the lamina makes 50° to the HP. Draw the TV and FV of the lamina.
4. A regular pentagon of 30 mm sides is resting on HP on one of its sides with its surface 45° inclined to HP. Draw its projections when the side in HP makes 40° angle with VP.