**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**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 30° inclined to HP while it’s surface is 45° inclined to VP. Draw its projections.
2. A hexagonal plate of 25 mm side is resting on HP such that one of its corners touches both HP and VP. It makes 30° with the HP and 60° with VP. Draw the projections.
3. A circle of 50 mm diameter is resting on HP on end A of its diameter AC which is 30° inclined to HP while its Top view (TV) is 35° inclined to VP. Draw its projections.
4. A rectangular lamina of 35mm and 15mm rests on one of the corners on the HP. The diagonal AC through that corner makes 25° to the VP. The two sides containing this corner make equal inclination with HP. The surface of the lamina makes 40° to the HP. Draw the TV and FV of the lamina.