**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

**Full Marks: 25 × 4 = 100 Date: 09.09.2019**

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 semicircle of 80 mm diameter has its straight edge in VP and inclined at 45° to HP. Draw projections when the surface makes an inclination of 30° with VP.
3. A hexagonal plane with 30 mm side has its one corner in HP and surface is inclined by 45° to HP. The diagonal containing that corner is inclined by 30° to VP. Draw the projections.
4. A square ABCD of 50 mm side has its corner A in HP. Diagonal AC is inclined by 45° to HP. Other diagonal BD has inclination of 30° with VP. Draw the projections.