**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

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

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

**Adjustment for Tuesday (10.09.2019) Afternoon 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 circle of diameter 50 mm has a point on the circumference on the VP. The circle makes 45° with the VP. Draw its projection if the diameter through the point on the VP makes 30° with the HP.
3. A cardboard looks like a regular pentagon which is having 38 mm sides is resting on a horizontal box on one of its sides with its surface makes 50° inclination to horizontal box. Draw the projections of that cardboard when the side in horizontal box makes 45° angle with adjacent vertical bookshelf.
4. A square ABCD of 30 mm side has its corner A in the H.P., its diagonal AC inclined at 45° to the H.P. and the diagonal BD inclined at 30° to the V.P. and parallel to the H.P. Draw its projections.