**ME 111 Engineering Drawing: July-Nov 2017**

**Indian Institute of Technology Guwahati**

**Lab-4 Projection of Planes Tuesday Forenoon Batch**

1. A square lamina ABCD of side 25 mm is in the horizontal plane. The two closest vertices of the lamina to the vertical plane is at a distance of 10 mm from it. Draw its projections. [10 marks]
2. A regular hexagon of 40 mm side has a corner in the HP. Its two sides are parallel to VP and its surface inclined at 45° to the HP (rotated about the axis passing through the corner in the HP). [15 marks]
3. A regular pentagon ABCDE of side 30 mm has one of its edges parallel to the VP and inclined at 30o to the HP. The pentagon is inclined at 45o to the VP. Draw the projections of the pentagon. [25 marks]