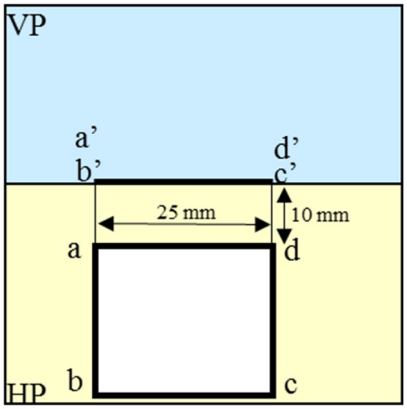
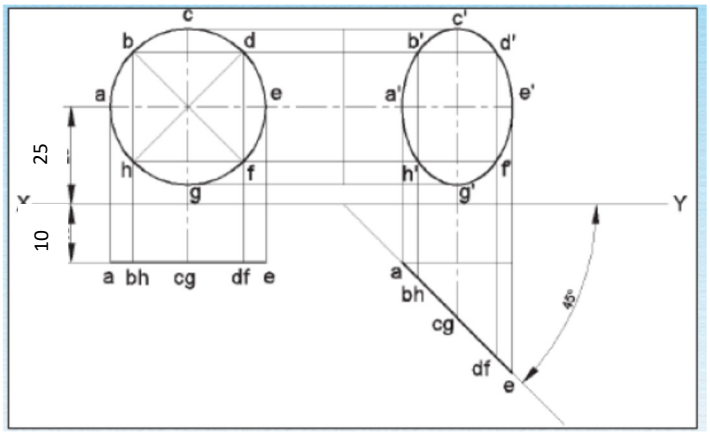
ME 111 Engineering Drawing: July-Nov 2017
Indian Institute of Technology Guwahati
Lab-4 Projection of Planes Thursday Forenoon Batch

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. Draw the projections of a circular lamina of 40 mm diameter whose centre is at distance of 25 mm above the HP and 10 mm in front of the VP. The lamina is inclined at an angle of 45° to VP (the axis of rotation passes through the extreme left end of the lamina). Draw its projections. [15 marks]



3. A $30^0 - 60^0$ set square of longest side 100 mm long is in VP and its surface 45^0 inclined to VP. One end of longest side is 15 mm and other end is 35 mm above HP. Draw its projections. [25 marks]