End-Semester Examination 2013

Course: Engineering Drawing (ME111)

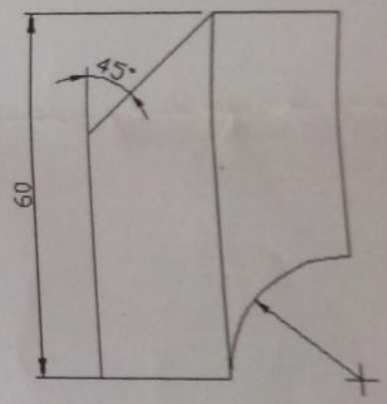
Department of Mechanical & Civil Engineering, IIT Guwahati

Total: 11:00AM-1:30PM | Exam date: 17-11-2013 | Total marks: 40

1. A line AB 110 mm long is inclined at 30° to the HP and at 40° to the VP. Its midpoint M is in the HP and 20mm in front of the VP. Draw its projections, if its end A is in the first quadrant and B in the third quadrant

2. Rectangular face of the pentagonal prism (25 mm base and 70 mm height) lies on the HP with the axis is parallel to VP. It is cut by a vertical section plane makes an angle of 30° to the VP and cuts the axis at a point 15 mm from one of its end. Draw its sectional front view and true shape of the section

3. Draw the development of the lateral surface of the square prism of base 20 mm and all the rectangular faces are equally inclined to the vertical plane, the front view of the solid is shown in figure.



4. *Draw front, top and side of the following solid and show hidden edges*