

CE101 Engineering Drawing July- Nov 2019

Indian Institute of Technology Guwahati

Lab Sheet-4 Projections of Points, Lines and Traces
Max Marks: $25 \times 4 = 100$

Friday Morning
Date: 06.09.2019

1. Draw the projections of the following points on a common reference line, keeping the distance between projectors equal to 20mm
 - (i) Point A 20 mm above HP and 30 mm in front of VP
 - (ii) Point B 20 mm above HP and 35 mm behind VP
 - (iii) Point C 25 mm below HP and 30 mm behind VP
 - (iv) Point D 25 mm below HP and 35 mm in front of VP
 - (v) Point E 30 mm above HP and in VP
 - (vi) Point F 30 mm below HP and in VP
2. A line AB 30mm long is parallel to VP. Point A is 40mm above HP and 15mm in front of VP. Point B is 10mm above HP. Draw the projection of line AB.
3. A line MN 30 mm long is parallel to VP and inclined at an angle of 45° to HP. The lower end N is 20 mm above HP and 25 mm in front of VP. Draw the projection of the line.
4. A line AB 30 mm long is parallel to HP and perpendicular to VP. Point B is 10 mm in front of VP and the line is 25 mm above HP. Draw the projection of the line and find its traces.