**CE101 Engineering Drawing July- Nov 2019**

**Indian Institute of Technology Guwahati**

**Lab Sheet-4 Projections of Points, Lines and Traces Wednesday Morning**

**Max Marks: 25 × 4 = 100 Date: 04.09.2019**

Q1. A straight line AB has its end point A 15mm in front of VP while the other end B is 50mm in front of VP. The plan view of the line is 50mm long and the HT of the line is 10mm in front of the VP. Draw the projections of the line if it is inclined at 30° to the HP. Also find its VT.

Q2. A straight line AB of 40mm length is parallel to HP and inclined at 30° to VP. Its end point A is 10mm from the HP and 15mm from the VP. Draw the projections of the line AB, assuming to be located in second and third quadrant.

Q3 A straight line AB of 50mm length has one of its end points A, 10mm above the HP and 15mm in front of VP. The top view of the line, measures 30mm while the front view is 40mm long. Draw the projections and find out its angle of inclination in relation to reference planes.

Q4 A point A is 50mm above HP and 30mm in front of VP. Draw its projections.