ASSIGNMENT-II
ENGINEERING GRAPHICS AND DESIGN

Note: **Total Marks: 20**

Attempt any one from Q9 and Q10. Attempt all the questions on a single sheet.

Q1. What is true length of a line?   **(2)**

Q2. What are the apparent angles of inclinations?   **(2)**

Q3 What is the trace of a straight line? Define HT and VT.   **(2)**

Q4 Draw neat and clean first angle and third angle projection symbols.   **(2)**

Q5. Draw the following projection of points at single reference line at 30mm distance.   **(2)**

   a) Point A 15mm above HP and 20mm in front of VP.
   b) Point B 30mm above HP and 40mm behind VP.
   c) Point R 10mm below HP and 30mm behind VP.
   d) Point S 30mm below HP and 15 mm in front of VP.

Q6 A line AB, 60mm long has its end A 20mm above HP & 25mm in front of VP. The line is parallel to both HP & VP. Draw its Projection?   **(2)**

Q7 A line AB 60mm long is perpendicular to VP and parallel to HP & has its end A 20mm away from HP & 10mm away from the VP. Draw its projection?   **(2)**

Q8. A line CD 50mm long has its end C 15mm away from HP & 25 mm away from the VP. The line is inclined to HP at 45 degrees & parallel to VP. Draw its projection?   **(2)**

Q9 A line AB, 70mm long, has its end A 15mm above HP and 20mm in front of VP. It is inclined at 30° to HP and 45°to VP. Draw its projections and mark its traces.   **(4)**

                                            OR

Q10 A line AB, 90mm long, is inclined at 45 to the H.P. and its top view makes an angle of 60 with the V.P. The end A is in the H.P. and 12mm in front of V.P. Draw its front view and finds its true inclination with the V.P.