Assignment -2.B

GEETHANJALI INSTITUTE OF SCIENCE AND TECHNOLOGYNELLORE

ENGINEERING DRAWING –UNIT 2(Projection of Lines)

1B. TECH– CSE–C & CS

1.	A line 50 mm long, is parallel to both HP and VP. The line 40 mm above H.P and 30 mm in front of V.P. draw the projections of the line
2	A line AB of 25 mm long, is perpendicular to H.P and parallel to V.P. The end points A and B of the line are 35 mm and 10 mm above H.P respectively. The line is 20 mm in front of V.P draw the projections of the line.
3	A line AB of 25 mm long is perpendicular to V.P and parallel to H.P. The end points A and B of the line are 10 mm and 35 mm in front of V. P respectively. The line is 20 mm above H.P. Draw its projections
4	A line AB 30 mm long and inclined at 30^0 to H. P and parallel to V. P. The end A of the line is 15 above H.P and 20 mm in front of V.P. Draw the projections of the line
5	A line AB is 30 mm long and inclined to 30^0 to V.P and parallel to H.P. The end A of the line is 15 above H.P and 20 mm in front of V.P. Draw the projections
6	A line AB of 100 mm length is inclined at an angle of 30^0 to H.P and 45^0 to V.P. The point A is 15 above H.P and 20 mm in front of V.P. Draw the projections of the line
7	A line PQ 90 mm long is in the H.P and makes an angle of 30^0 with the V.P. its end P is 25 mm in front of V.P draw its projections
8	The length of the top view of a line parallel to the V.P and inclined at 45^0 to the H.P is 50 mm. One end of the line is 15 mm above H.P and 25 mm in front of the V.P. Draw the projections of the line and determine its true length.
9	The front view of a 75 mm long line AB measures 55 mm. The line is parallel to the H.P and one of its ends is in the V.P and 25 mm above the H.P. Draw the projections of the line and determine its inclination with the V.P.
10	Draw the projections of a 75 mm long straight–line PQ in the following positions

	(a) parallel to and 40 mm in front of V.P and in the H.P (b) perpendicular to the H.P, in the V.P and one end in the H.P. (c) Perpendicular to the V.P 25 mm above H.P. and its one end in the V.P. (d) Inclined at 45^0 to the V.P in the H.P and its one end in the H.P. and its one end in the V.P (e) Inclined at 30^0 to the H.P and its one end 20 mm above it, parallel to and 30 mm in front of V.P (f) Inclined 60^0 to the V.P and its one end 15 mm in front of it; parallel to and 25 mm above H.P.
11	A 100mm long line AB parallel to and 40 mm above the H.P. Its two ends are25 mm and 50 mm in front of V.P respectively. Draw its projections and find its inclination with the V. P
12	A 90 mm long line CD is parallel to and 25 mm in front of the V.P. Its one end is in the H.P while the other is 50 mm above the H.P. Draw its projections and find its inclination with the H.P.

13	The top view of 75 mm long line PQ measures 55 mm. The line is in the V.P., its one end being 25 mm above the H.P. Draw its projections
14	The front view of a line CD inclined 30^0 to the V.P is 65 mm long, Draw the projections of the line when it is parallel to and 40 mm above the H.P, its one end being 30 mm in front of the V.P.
15	A line AB of 100 mm long is inclined at an angle of 30^0 to H.P and 45^0 to V.P. The point A is 15 mm above H.P. 20 mm in front of V.P and 120 mm from right profile plane. Draw (i) front view (ii) top view (iii) left side view of the line AB
16	A line AB of 70 mm long is parallel to and 25 mm in front of V.P. It' s one end is on H.P while the other end is 40 mm above H.P. Draw the projections of the line and determine its inclination with H. P.

17	A line AB is on H.P and its one end is A is 20 in front of V.P. The line makes an angle of 45^0 with V.P and its front view is 60 mm long.Draw its projections of the line and determine its true length
18	A line measuring 80mm long has one of its ends is 60 mm above H.P and 20 in front of V.P. The other end is 15 mm above H. P and in front of V.P.The front view of the lineis 60 mm long. Draw the top view