Assignment for Drawing Practice
UNIT 2 (Projection of Points)
I B.Tech. – (CSE-C & CS)
Assignment- 2. (Projection of points)

5. A point A is 40 above HP and 25 in front of UP. Another point B is 20 behind UP and 30 below HP. The horizontal distance between the points is 90. Draw the points and join their front views and top views.

6. A point A is on HP and 40 in front of UP. Another point B is on UP and below HP. Line joining their front view makes an angle 45° to XY, while their top view makes an angle 30°. Find the distance of the point B from HP.

7. Two points A and B are on HP; the point A is 30 in front of UP while B is 45 behind UP. The line joining their top vies makes an angle 45° to XY. Find the horizontal distance between the two points

8. A point A is 25 above HP and is in the first quadrant. Its shortest distance from the reference line XY is 40. Draw the projections of the point and determine its distance from UP.

9. A point P is 20mm below HP and lies in the third quadrant. Its shortest distance from XY is 50mm. Draw the projections and find the distance from UP.

10. Draw the projections of point B lying in I quadrant such that its shortest distance from the reference line is 50 and is equidistance from HP and UP. The point is 30 from P.P. Draw the projections of the point and determine its distance from HP and UP.

11. An electrical bulb is hanging from the center of ceiling of a room having floor area 12m x 8m .Draw the projections of the bulb if the length of the wire connecting the bulb to the ceiling 1m. The height of the room is 4m.

12. A stick is struck in the ground making an angle of 30° to the ground. Draw the projections of the free end of the stick if the length Of the stick above the ground is 1.5m and the distance of the end from a wall is 2.5m.

13.   An electric pole is 10m high .it is bent by a strong wind in such a way that its tip is now at a distance half of its original height. Draw the projections of the pole tip if it is 3m from a wall of a building.

Assignment set By Mr. E. Bhaskar