

Indian Institute of Technology Hyderabad

Assignment-2

Course: Engineering Drawing

Marks: 50

Duration: 3 days

Instructions:

- 1.The Drawing should be in orthographic sheet.**
- 2.All the drawings should be neat and clear with proper dimensions.**
- 3. Copying is strictly not allowed and will lead to negative marks.**
- 4.Ensure that the scanned copy of answer script should be clearly visible before submitting it.**
- 5.File name should be in the format of “ROLL NO_Assign2”**

Projection of Points

1.Draw the projections of the following points on the common Reference lines, keeping the projectors 25 mm apart (similar like Fig 1 in Q.5): (10 M)

- (a) Point A in the H.P. and 20 mm behind V.P.
- (b) Point B 25 mm below the H.P. and 25 mm behind V.P.
- (c) Point C 15 mm above the H.P. and 20 mm in front of V.P.
- (d) Point D 40 mm below H.P. and 25 mm in front of V.P.
- (e) Point E is 70 mm above the H.P. and on the V.P. Draw its projections.

2.Draw the projections of the following points on a same reference line, keeping the distance between their projectors 25 mm apart. (10 M)

- (a) Point A is 20 mm below the H.P. and 50 mm in front of the V.P.
- (b) Point B is in the H.P. and 40 mm behind the V.P.
- (c) Point C is 30 mm in front of the V.P. and in the H.P.
- (d) Point D is 50 mm above the H.P. and 30 mm behind the V.P.
- (e) Point E is 20 mm below the H.P. and 50 mm behind the V.P.
- (f) Point F is in the V.P. and 50 mm below the H.P.

3. Draw the projections of the following points on a common reference line keeping the distance between their projectors 25 mm apart. (10 M)

- (a) Point A is 40 mm above the H.P and 25 mm in front of the V.P.
- (b) Point B is 40 mm above the H.P and on the V.P.

(c) Point C is 25 mm in front of the V.P. and on the H.P.

(d) Point D is 25 mm above the H.P and 30 mm behind the V.P.

(e) Point E is on the H.P and 30 mm behind the V.P.

4. Draw the projections of the following points on a common reference line keeping the distance between their projectors 25 mm apart. (10 M)

(a) Point P is 35 mm below the H.P. and on the V.P.

(b) Point Q is 40 mm in front of the V.P. and 25 mm below the H.P.

(c) Point R is 45 mm above the H.P. and 20 mm behind the V.P.

(d) Point S is 30 mm below the H.P. and 45 mm behind the V.P.

(e) Point T is both on the H.P. and the V.P.

5. Projection of various points are given in Figure 1. State the position of each point with respect to the planes of projection. (10 M)

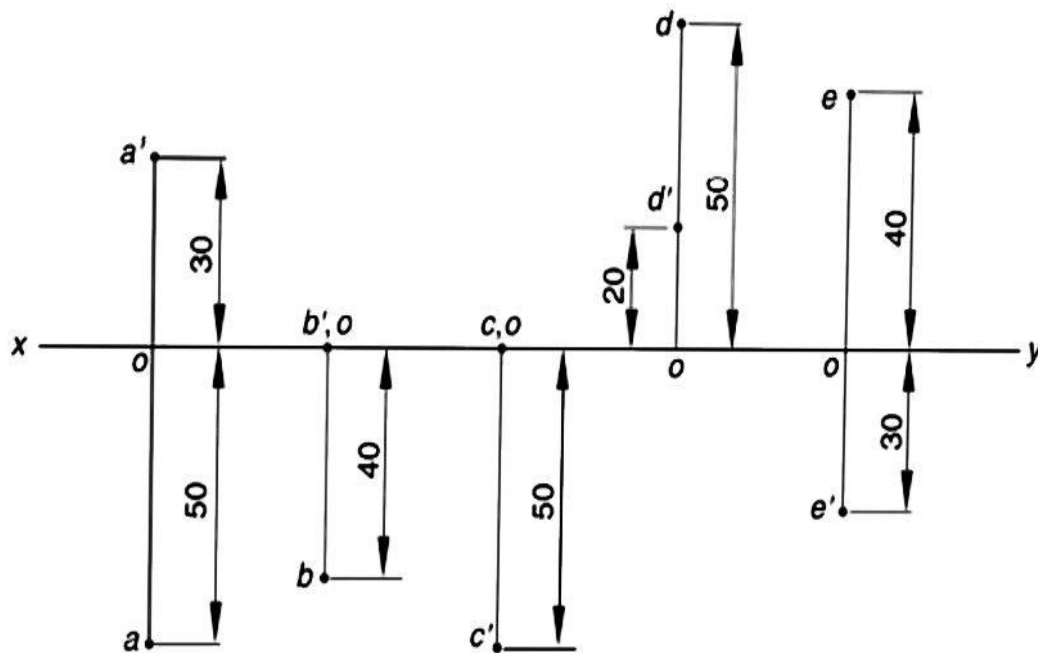


Fig 1