

I B. Tech I Semester Supplementary Examinations, Oct/Nov - 2018
ENGINEERING DRAWING

(Com. to EEE,ECE,EIE,Bio-Tech,ECom E,Agri E)

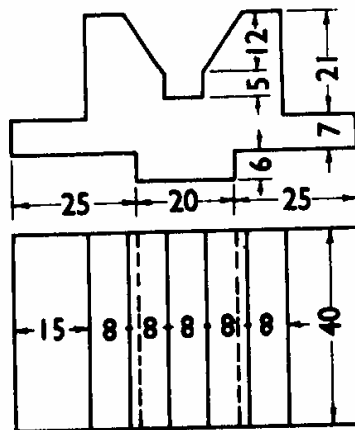
Time: 3 hours

Max. Marks: 70

- Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)
 2. Answering the questions in **Part-A** is Compulsory
 3. Answer any **THREE** Questions from **Part-B**

PART -A

1. a) Draw the isometric view of the object whose orthographic projections are shown in figure. (12M)



- b) The foci of an ellipse are 85mm apart and the minor axis is 60mm long. Determine the length of the major axis and draw the ellipse by oblong method. (10M)

PART -B

2. a) Construct a Hexagon of 30mm side, with its side in (i) Horizontal position (ii) vertical position. (6M)
- b) Construct a forward reading vernier scale to read distance correct to decameter on a map in which the actual distances are reduced in the ratio of 1: 40,000. The scale should be long enough to measure up to 6 km. Mark on the scale a length of 3.34 km and 0.59 km. (10M)
3. a) A point P is 40mm from both the reference planes. Draw its projections in all possible positions. (6M)
- b) The top view of a 75mm long line measures 55mm. The line is in the VP, its one end being 25mm above the HP, Draw its projections. (5M)
- c) The front view of a line, inclined at 60° to the VP is 70mm long. Draw the projections of the line, when it is parallel to and 30mm above the HP., its one end being 20mm in front of the VP. (5M)



