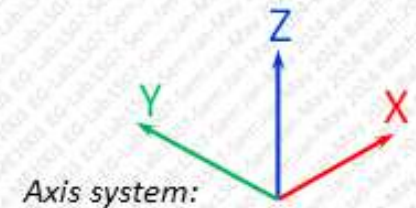


Exercise 7 – 25 Marks

Refer the text books for additional problems

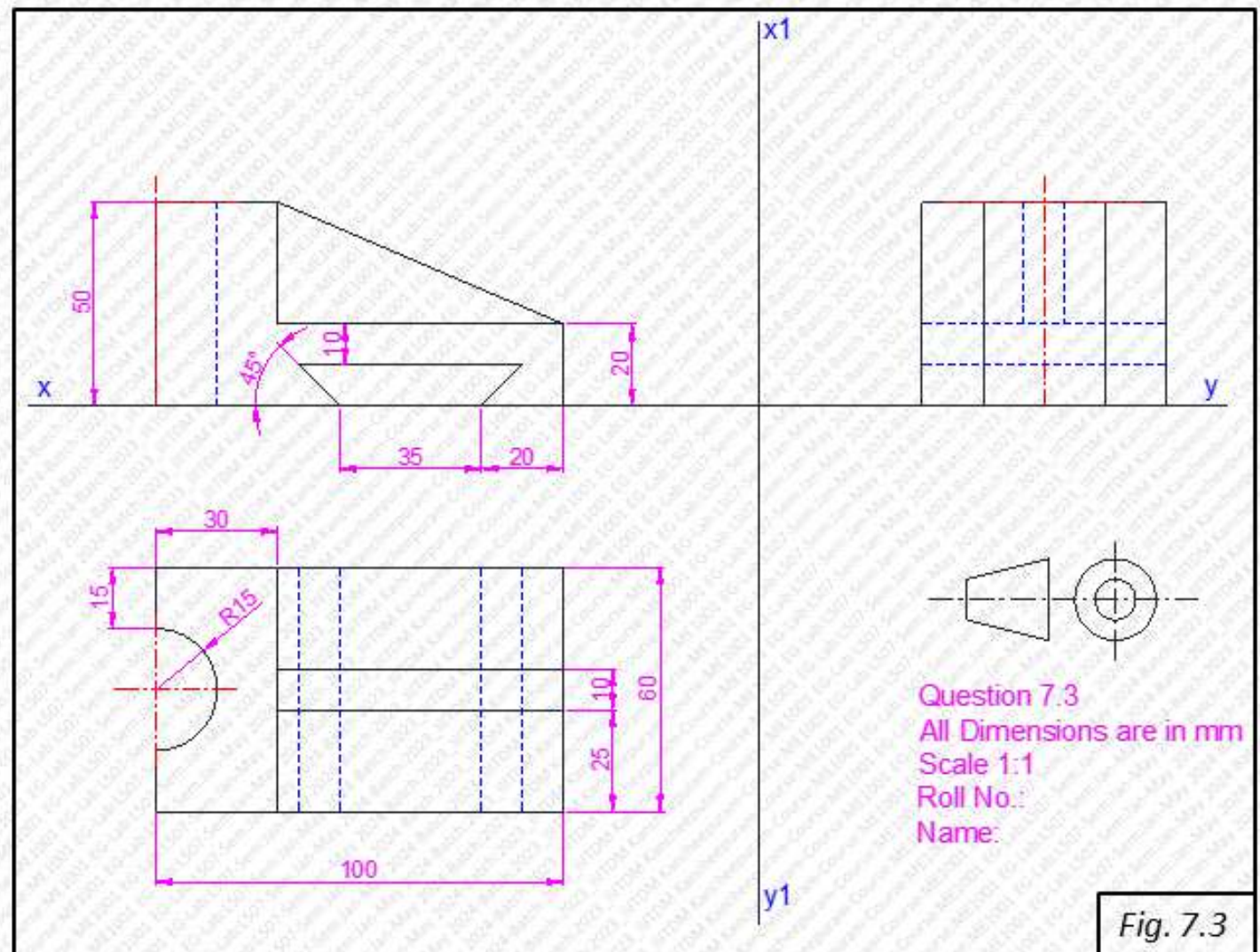
Instructions:

- Use one A3 Sheet size rectangle (size: 420 x 297 mm) for each question. Provide the answer within the A3 sheet size rectangle.
- Solution should be complete. No marks for incomplete drawings.
- Considering the time constraints, dimensioning is optional ONLY for this isometric exercise. If dimensioning is made then it should be aligned appropriately to one of the isometric axis.
- Use the axis system shown here for the alignment of the front view.



7.1 An equilateral triangular prism, with edge of base 40 and axis 60 long, lies on one of its base edges on HP and the rectangular face containing that edge is inclined at 60° to HP. Draw the isometric view of the solid. (5 Marks)

7.3 Draw the isometric view of the object shown in Fig. 7.3. Align the front view parallel to XZ plane of the given axis system. (5 Marks)



Question 7.3
All Dimensions are in mm
Scale 1:1
Roll No.:
Name:

Fig. 7.3

Exercise 7 – 25 Marks

Refer the text books for additional problems

7.2 A cone of base diameter 50 and axis 60, rests with its base on HP. A section plane perpendicular to VP and inclined at 30° to HP passes through the axis, at a distance of 25 above the base. Draw the isometric view of the truncated cone. Clearly show the cut-surface in isometric view. (10 Marks)

7.4 Draw the isometric view of the object shown in Fig. 7.4. Align the front view parallel to YZ plane of the given axis system. (5 Marks)

