AHMEDABAD UNIVERSITY
School of Engineering and Applied Science
2025-2026 Monsoon

ENR114 Engineering Visualization and Drawing
End-Term Examination
Monday 01 December 2025, 08:00 – 09:15

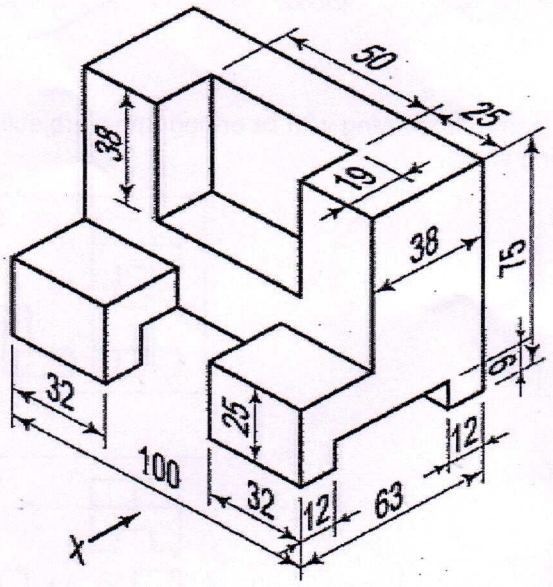
Name:	Roll no.	A U 2							Marks: 30 Weightage: 20%

All questions are compulsory. Sharing of drawing instruments is not allowed. Answer in the drawing sheets provided to you. No additional sheets will be provided. The use of electronic gadgets is strictly prohibited. Figures to the right indicate marks for each question.

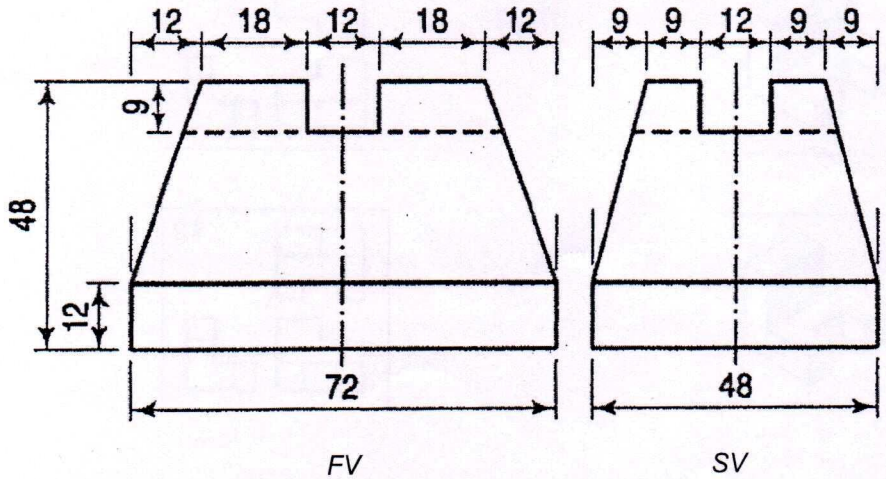
1. For the 3D letter **T**, draw its one- and three-point perspective drawings. Draw two drawings for each case, placing them above and below the horizon line. *(6)*

OR

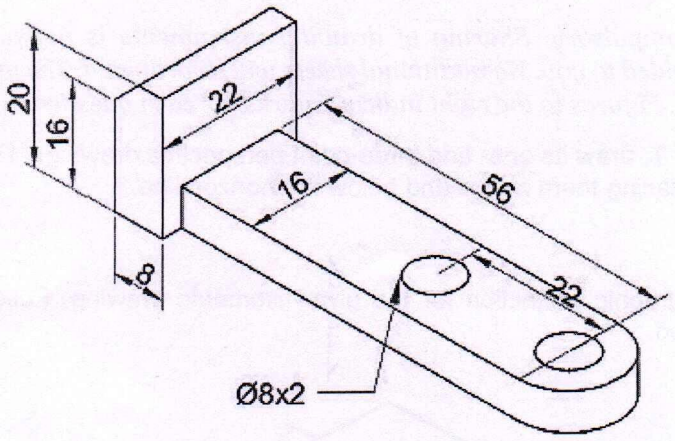
Draw the orthographic projection for the given isometric drawing. Follow the first angle projection method.



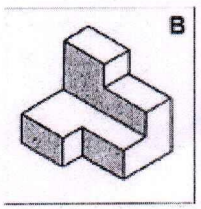
2. Draw the isometric drawing for the following orthographic projection. *(10)*

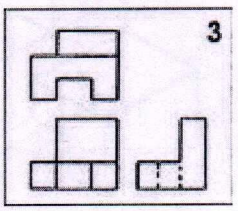


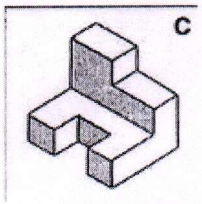
3. Draw two principal views of the orthographic projection and then draw the views with one vertical full section for the following isometric drawing. Follow third-angle projection method. *(10)*

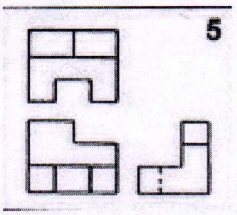


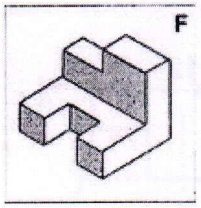
4. Match the following isometric drawing with its orthographic projections. Write the answer in your isometric drawing sheet. *(4)*

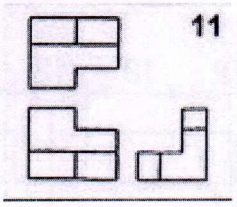


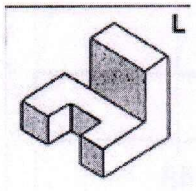


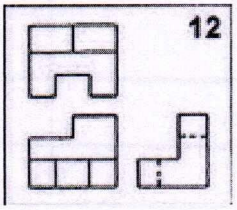












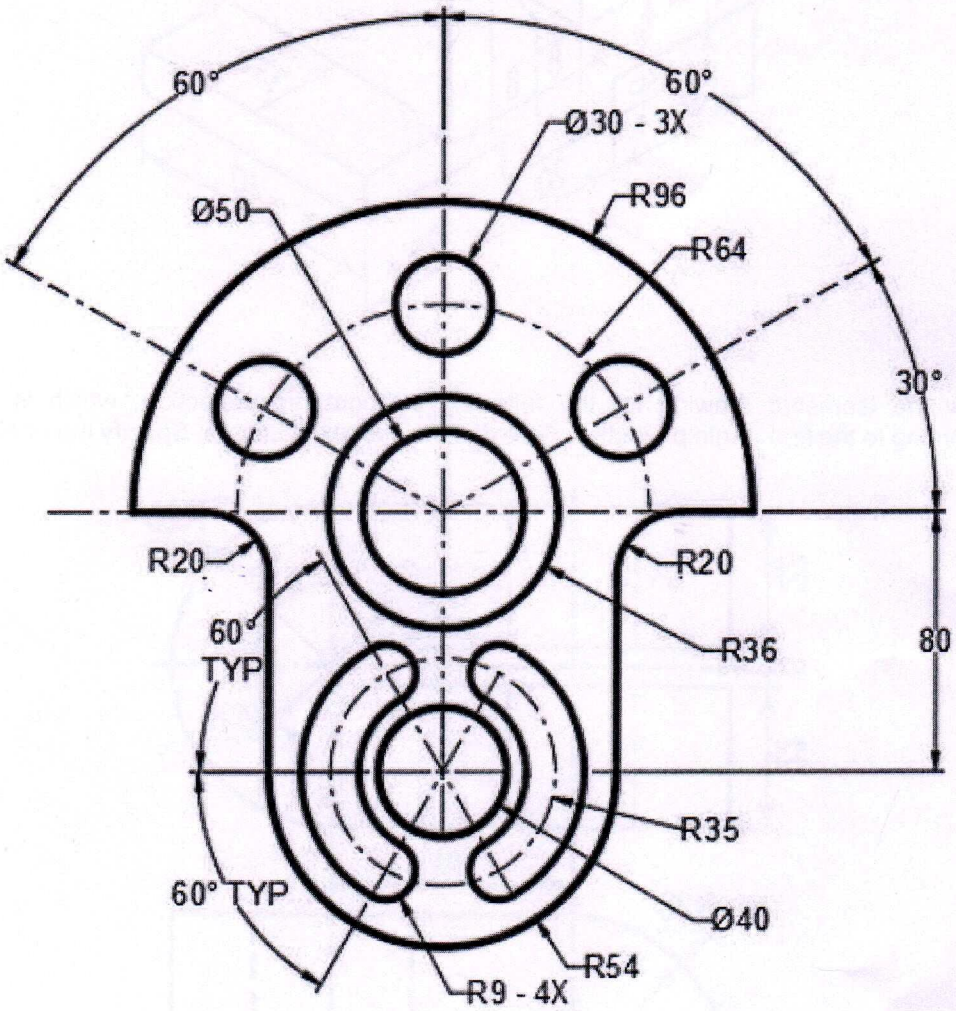
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Monday 01 December 2025, 09:30 – 10:45

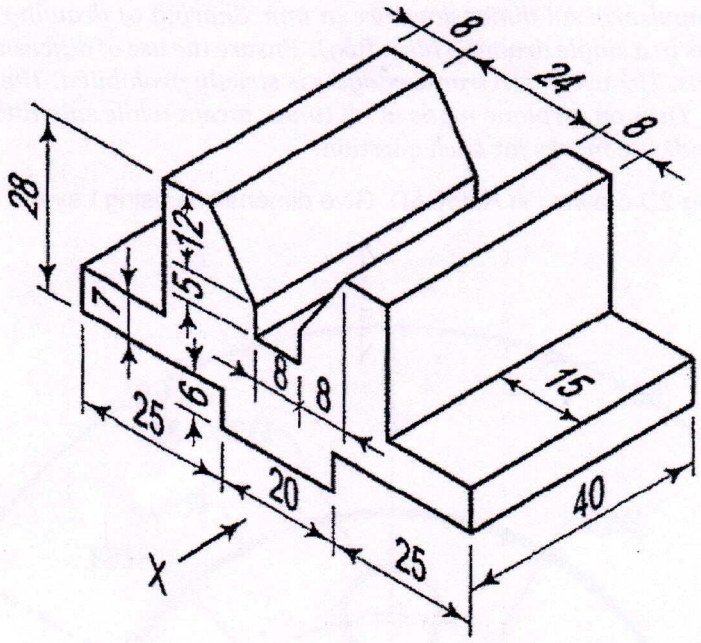
Name:	Roll no.	A	U	2							Marks: 30 Weightage: 20%

All questions are compulsory. All dimensions are in mm. Sharing of drawing files is not allowed. Draw all the drawings in a single drawing file (.dwg). Ensure the use of different layers as required, such as for dimensions. The use of electronic gadgets is strictly prohibited. The use of Internet help is strictly prohibited. Turn on airplane mode at all times, except while submitting on LMS/Google. Figures to the right indicate marks for each question.

1. Draw the following 2D drawing in AutoCAD. Give dimensions using Layers. *(8)*



2. Draw the orthographic projection in AutoCAD for the given isometric drawing. Give dimensions using Layers. Use first-angle projection. Draw front, top, and side views. *(10)*



3. Draw the isometric drawing for the following orthographic projection, which is made according to the first-angle projection. Give dimensions using Layers. Specify the front view. *(12)*

