

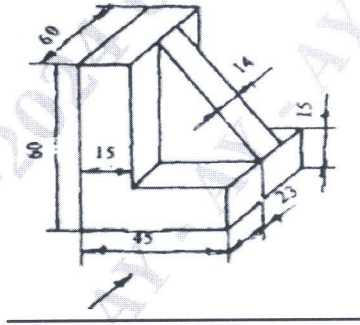
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First / Second Semester B.E. Degree Supplementary Examination,
June / July - 2024

COMPUTER AIDED ENGINEERING DRAWING

Time: 3 Hours (COMMON TO ALL BRANCHES) Max.Marks:100

- Note:** 1. Answer all four full questions.
2. Grid sheets may be provided for making preparatory sketches.

Q. No.	Module – 1	Marks
1	A hexagonal lamina of 30 mm side rests on one of its sides on HP. The lamina makes 30° to HP and the side on which it rests makes 45° to VP. Draw its projections.	20
Module – 2		
2	A cone of base diameter 40 mm and axis length 50 mm is resting on HP on a point on the circumference of its base such that its apex is at 40 mm above the HP and its top view of the axis is inclined at 60° to VP. Draw the top and front views of the solid. Also, determine the inclinations of the axis with HP when the base is nearer to the observer.	30
Module – 3		
3	Using first angle projection, draw front view looking in the direction of arrow shown, top view and right side view of the machine component as shown in figure Q(3)	25
 <p style="text-align: center;">Fig. Q(3)</p>		
Module - 4		
4	A rectangular prism of base 30 mm x 20 mm and height 60 mm rests on HP on its base with the longer base side inclined at 40° to VP. It is cut by a plane inclined at 45° to HP, perpendicular to VP and bisects the axis. Draw the development of lateral surface of the prism.	25

Examiner 1:
Name:
Signature:

Examiner 2:
Name:
Signature: