

CBCS 2025- SCHEME

USN

1BCEDC/M/EC/E/S103

First Semester B.E Degree Examination, Dec.2025/Jan.2026

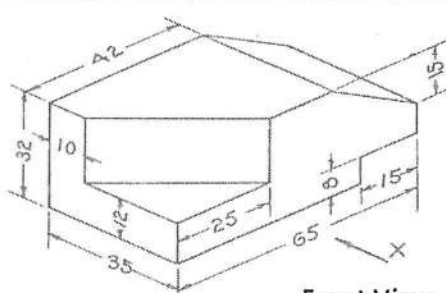
COMPUTER AIDED ENGINEERING DRAWING

Time: 3 Hours

COMMON TO ALL BRANCHES

Max. Marks: 100

Note: i) Answer one full question from each Module, ii) Grid sheet may be provided for Sketching and
iii) CAD must be in A4 Sheet only

Q. No.	Module – I	Marks
1(a)	Draw the projections of the following points on the same XY line, keeping convenient distance between each projector and state the Quadrants in which they lie. P – 10 mm above HP and 15 mm in front of VP and Q – 40 mm below HP and 50 mm behind VP	10
1 (b)	A line AB 65 mm long has its end A 20 mm above HP and 25 mm in front of VP. The end B is 40 mm above HP and 65 mm in front of VP. Draw the projections of AB and show its inclinations with HP and VP.	10
OR		
2	A hexagonal lamina of sides 25 mm rests on one of its corners on HP. The lamina makes 45° to HP and the diagonal passing through the corner on which it rests appears to be inclined at 30° to VP. Draw its projections.	20
Module – II		
3	A pentagonal prism 25mm sides of base and 60 mm axis length rests on HP on one of its corners of the base such that the two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections of the prism when the axis of the prism is inclined to HP at 40° and appears to be inclined to VP at 45° .	30
OR		
4	A hexagonal pyramid 25 mm sides of base and 50 mm axis length rests on HP on one of its edges of the base which is inclined to VP at 30° . Draw the projections of the pyramid when the axis is inclined to HP at 45° .	30
Module – III		
5	A regular pentagonal prism of height 60mm and base edge 30mm rests with its base on HP. The vertical face closest to VP is 30° to it. Draw the development of the truncated prism with its truncated surface inclined at 60° to its axis and bisecting it.	25
OR		
6	A frustum of a square pyramid has its base 40mm sides, top 16mm sides and height 60mm having a side of its base parallel to VP. Draw the projections of the frustum and show the development of lateral surfaces of it.	25
Module – IV		
7	A square prism base side 40 mm and height 50 mm is placed centrally on a cylindrical slab of diameter 100 mm and thickness 30 mm. Draw the isometric view of the combination of solids.	25
OR		
8	Draw the top view, front view and side view of the following figure  Front View	25

Name & Signature of Examiner 1

Name & Signature of Examiner 2