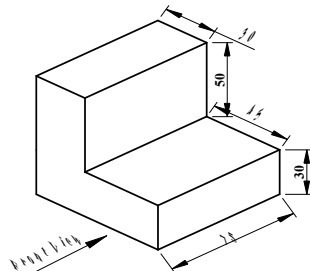


CBCS 2025- SCHEMEUSN

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1BCEDC/M/EC/E/S103/203**First / Second Semester B.E Degree Examination, June/July 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)	A point P is on HP and 30 mm in front of VP. Another point Q is on VP and 40 mm above HP. The distance between their projectors parallel to XY line is 50 mm. Find the distance between their front and top views of the points P and Q.	8
1 (b)	The top view of a line 75 mm long measures 50 mm. The end P is 30 mm in front of VP and 15 mm above HP. The end Q is 15 mm in front of VP and above HP. Draw the projections of the line and finds its true inclinations with HP and VP.	12
OR		
2	A circular lamina of 50 mm diameter is standing with one of its points on the rim on HP and the lamina inclined at 45° to HP. The diameter at right angles to the diameter, which is passing through the point on which the lamina rests, is parallel to VP. Draw its projections	20
Module – II		
3	A hexagonal pyramid 25 mm sides of base and 50 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 pyramid when the axis of the pyramid is inclined to HP at 40° and to VP at 30° .	30
OR		
4	A pentagonal pyramid 25 mm sides of base and 60 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 40°	30
Module – III		
5	A rectangular prism of base size $25\text{mm} \times 40\text{mm}$ and axis length 65mm is resting on HP on its base with the longer side of the base inclined at 30° to VP. It is cut by a plane inclined at 40° to HP and perpendicular to VP and passes through extreme left corner of base. Draw the development of the lateral surface of the remaining portion of the prism.	25
OR		
6	Draw the development of the lateral surface of a truncated vertical cylinder, 40mm diameter of base and height 50 mm, the truncated flat surface of the cylinder bisects the axis at 60° to it.	25
Module – IV		
7	A rectangular pyramid of base $40\text{ mm} \times 25\text{ mm}$ 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.	25
OR		
8	Draw the top view, front view and side view of the following figure 	25

Name & Signature of Examiner 1

Name & Signature of Examiner 2