



CBCS 2025- SCHEME

1BCEDC/M/EC/E/S103/203

First / Second Semester B.E Degree Examination, June/July 2026

COMPUTER AIDED ENGINEERING DRAWING

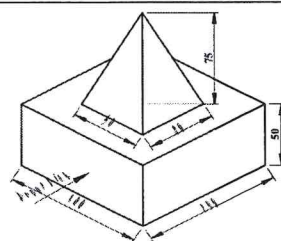
Time: 3 Hours

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)	Draw the projections of the following points on the same XY line, keeping convenient distance between each other projectors. Name the Quadrants in which they lie. i) P – 20 mm above HP and 35 mm in front of VP. ii) R – 40 mm above HP and on VP and iii) S – 35 mm below HP and 30 mm behind VP.	8
1 (b)	A line AB measuring 70 mm has its end A 15 mm in front of VP and 20 mm above HP and the other end B is 60 mm in front of VP and 50 mm above HP. Draw the projections of the line and find the inclinations of the line with both the reference planes of projections.	12
OR		
2	A regular hexagonal lamina of sides 25 mm is lying in such a way that one of its sides on HP while the side opposite to the side on which it rests is on VP. If the lamina makes 60° to HP. Draw the projections of the lamina.	20
Module – II		
3	A hexagonal pyramid 25mm 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 appears to be inclined to VP at 45°	30
OR		
4	A hexagonal pyramid 25mm sides of base and 50 mm axis length rests on HP on one of its slant triangular faces. Draw the projections of the pyramid when the axis appears to be inclined to VP at 45°	30
Module – III		
5	A rectangular prism of base 40mm x 25mm and height 65mm rests on HP on its base with the longer base side inclined at 30° to VP. It is cut by a plane inclined at 40° to HP; perpendicular to VP cuts the axis at its mid height. Draw the development of the remaining portion of the prism.	25
OR		
6	A right regular cylinder of diameter 50 mm and height 65 mm cut by section plane inclined at 30° to its axis and passes through the midpoint of the axis. Draw the development of the bottom portion of the cylinder	25
Module – IV		
7	A hemisphere of diameter 50 mm is centrally resting on top of a square prism of base side 60 mm and height 30 mm such that the curved surface of hemisphere is touching the top face of the prism. Draw its isometric view.	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