

CBCS 2022 – SCHEME

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BCEDK103/203**First / Second Semester B.E. Degree 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

Module - 1		
Q. No.		Marks
1	A square lamina of 40 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 tetrahedron of 55 mm sides rests on one of its corners such that an edge containing that corner is inclined to HP at 50° and VP at 30°. Draw its projections.	30
Module - 3		
3	A sphere of diameter 50 mm rests centrally on top of a cube of sides 50 mm. Draw the isometric projections of the combination of solids.	25
Module - 4		
4	A square prism of base side 40 mm and axis length 65 mm is resting on HP on its base with all the vertical faces being equally inclined to VP. It is cut by an inclined plane 60° to HP and perpendicular to VP and is passing through the point on the axis at a distance 15 mm from the top face. Draw the development of the lower portion of the prism.	25

Examiner 1:

Name:

Signature:

Examiner 2:

Name:

Signature: