

CBCS 2022 – SCHEME

BCEDK103/203

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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 question

2. Grid sheets may be provided for making preparatory sketches

Module – 1		Marks
Q. No.		
1	A circular lamina of 50 mm diameter rests on HP such that one of its diameters is inclined at 30° to VP and 45° to HP. Draw its top and front views in this position.	20
Module – 2		
2	A hexagonal prism 25 mm sides of base and 50 mm axis length rests on HP on one of its base edges. Draw the projections of the prism when the axis is inclined to HP at 45° and appears to be inclined to VP 40° .	30
Module – 3		
3	The frustum of a square pyramid of base sides 40 mm and top face side 20 mm and height 60 mm rest on the center of the top of a square block of side 60 mm and height 20 mm. The base edges of the pyramid are parallel to the top edges of the square block. Draw the isometric projection of the combination of the 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: