CBCS 2022 – SCHEME

BCEDK103/203

USN | 4 | V | | |

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

Q. No.		Marks
	Module - 1	
1	A circular lamina of 30 mm diameter rests on HP such that one of its diameters is inclined at 30^0 to VP and 45° to HP. Draw its top and front views in this position.	20
	Module - 2	
2	A pentagonal 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 projection of the pyramid when the axis of the pyramid is inclined to HP at 40^0 and appears to be inclined to VP at 45^0.	30
	Module - 3	
3	A rectangular slab base-100 mm x 80 mm and height 30 mm has a full depth co-axial square hole side-40 mm, such that one of the sides of the square is parallel to one of the sides of the rectangle. Draw the isomeric projection of the hollow block.	25
	Module - 4	
4	A square prism of base sides 30 mm and axis length 60 mm is resting on HP with all the vertical faces equally inclined to VP. It is cut by an inclined plane 60^0 to HP and perpendicular to VP and is passing through a point on the axis at a distance of 50 mm from the base. Obtain the development for the truncated portion of the solid.	25

Examiner 1:
Name:
Signature:

Examiner 2:
Name:
Signature: