CBCS 2022 – SCHEME

USN

BCEDK103/203

First/Second Semester B.E./B.Tech. 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.

Q. No.	Module – 1	Marks
1 a	A point is 30 mm behind VP, 30 mm above HP and 25 mm from RPP. Draw its projections and name the side views.	8
1 b	A line AB has its end A 20 mm above the HP and 30 mm in front of the VP. The other end B is 60 mm above the HP and 45 mm from VP. The distance between end projectors is 60 mm. Draw its projections. Determine the true length an apparent inclinations.	12
	Module – 2	
2	A square prism 35 mm sides of base and 60 mm axis length rests on HP on one of its edges of the base. Draw the projections of the prism when the axis is inclined to HP at 45^0 and VP at 30^0.	30
	Module – 3	
3	Two rectangular slabs are placed one above the other co-axially with dimensions (l x b x h) 100 mm x 60 mm x 20 mm and 100 mm x 40 mm x 20 mm such that longer edges are parallel to VP. Draw the isometric projection of the combination.	25
	Module - 4	
4	A regular pentagonal pyramid of sides of base 35 mm and altitude 65 mm has its base on HP with a side of the base perpendicular to VP. The pyramid is cut by a section plane which is perpendicular to VP and inclined at 30^0 to HP. The cutting plane meets the axis of the pyramid at point 30 mm below the vertex. Obtain the development for the solid.	25

Examiner 1:
Name:
Signature:

Examiner 2:
Name:
Signature: