



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 question

2. Grid sheets may be provided for making preparatory sketches

Module - 1		
Q. No.		Marks
1	A $30^{0} - 60^{0}$ set square of 60 mm longest side is so kept such that the longest side is in HP, making an angle of 30^{0} with VP. The set square itself is inclined at 45^{0} to HP. Draw the projections of the setsquare.	20
	Module - 2	
2	A square pyramid 35 mm sides of base and 60 mm axis length rests on HP on one of its slant edges. Draw the projections of the pyramid when the axis is inclined to VP at 45°.	30
	Module – 3	
3	A hemisphere of 40 mm diameter is supported co-axially on the vertex of a cone of base diameter 60 mm and axis length 50 mm. The flat circular face of hemisphere is facing upside. Draw the isometric projection of the combination of solids.	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: