CBCS 2022 – SCHEME

BCEDK103/203

First/Second Semester B.E./B.Tech. Degree Examination, Dec.2023/Jan.2024
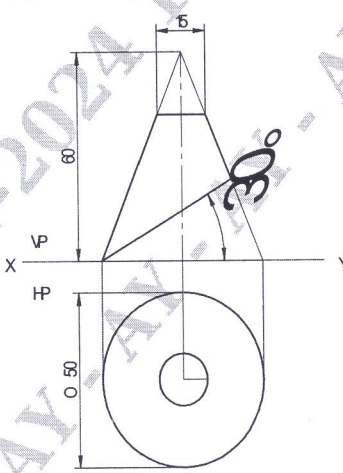
COMPUTER AIDED ENGINEERING DRAWING

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 30°-60° set square of 60 mm longest side is so kept such that the longest side is in HP, making an angle of 30° with VP. The set square itself is inclined at 45° to HP. Draw the projections of the setsquare.	20
	Module – 2	
2	A square prism 35 mm sides of base and 60 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 projections of the prism when the axis of the prism is inclined to HP at 40^0 and appears to be inclined to VP at 45^0.	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 the hemisphere is facing upside. Draw the isometric projection of the combination of solids.	25
	Module - 4	
4	Draw the development of the lateral surface of the cone, whose front view is as shown in following figure Q(4) **Figure Q(4)**	25

Examiner 1:
Name:
Signature:

Examiner 2:
Name:
Signature: