CBCS 2022 – SCHEME

BCEDK103/203

USN

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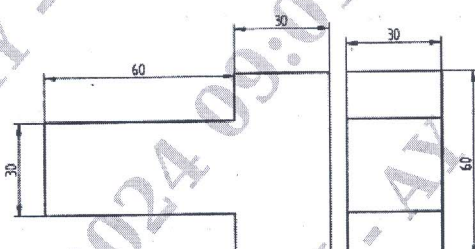
COMPUTER AIDED ENGINEERING DRAWING

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.

Module – 1		
Q. No.		**Marks**
1 a	A point is lying on HP, 20 mm behind VP & 35 mm from RPP. Draw its projections and name the side view	8
1 b	The top view of a 75 mm long line AB measures 65 mm, while the front view is 50 mm. Its one end A is in the H.P and 12 mm in front of the V.P. Draw the projections of AB and determine its inclinations with the H.P and the V.P.	12
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	Following figure shows the front and side views of solid. Draw the isometric projection of the solid. 	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: