Name :
Roll No:

MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM

(Government Aided Autonomous Institution)

DEPARTMENT OF MECHANICAL ENGINEERING
FIRST SESSIONAL EXAMINATION MARCH 2025
S2 ECE, CSE, CSE(DS), AIML
B24ES1TO3A COMPUTER AIDED ENGINEERING GRAPHICS

Time–1 $\frac{1}{2}$ Hours **Max: 40 Marks**

Answer All Questions

1. A line AB of 60 mm length is inclined to HP by 30 degrees and inclined to VP by 45 degrees. End A is located 10 mm above HP and 20 mm in front of VP. Draw its projections and mark its traces. [CO1] 10Marks

2. A line PQ is inclined to HP and VP is located in the first quadrant. Its end projectors are located 50 mm apart. The HT of the line is located 60 mm below XY line and VT is located 70 mm above XY line and they are separated by a distance of 80 mm. The end P is located 10 mm above HP. Draw the projections and find its true length and true inclinations. [CO1] 15Marks

3. A square pyramid of base edge 40 mm and height 60 mm is resting on HP on one of its slant faces in such a way that in the plan its axis is making 45 degrees inclination with the VP. If the apex of the pyramid is facing VP, draw its projections. [CO2] 15Marks

VISION

Mentoring to Ensure Excellence

MISSION

- To facilitate comprehensive and integrated development of students by providing quality education that encourages sustainable practices
- To mould disciplined and socially committed engineers capable of assuming professional leadership upholding national integrity