Roll No											

SET - A

PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - APR 2023

Semester : Semester II - 2022
Course Code : MEC1006
Course Name : Sem II - MEC1006 - Engineering Graphics
Program : B.Tech - (All Programs)

Date : 13-APR-2023
Time : 9.30AM - 11.00AM
Max Marks : 50
Weightage : 25%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 2 parts.
(iii) Scientific and non-programmable calculator are permitted.
(iv) Do not write any information on the question paper other than Roll Number.

PART A

ANSWER ALL THE TWO QUESTIONS **2 X 10 = 20M**

1. A point A is 30 mm infront of VP and 40 mm above HP. Another point B is 20 mm behind VP and 35 mm below HP. The horizontal distance between the points measured parallel to XY line is 60 mm.Draw the projections of the points A & B. Draw the side view for the point 'B' and Name it.

(CO2) [Knowledge]

2. Draw the projections of the following points on the same XY line, keeping convenient distance between each projector. Name the quadrant in which they lie
N – 35mm below HP and 30mm infront VP
P – 20 mm above HP and 30mm behind VP;
M – 30mm below HP and 25mm behind VP
Q – on HP and 30mm infront of VP
A - Tocuhing both HP and VP (or) On reference axis (CO2) [Knowledge]

PART B

ANSWER ALL THE TWO QUESTIONS **2 X 15 = 30M**

3. A Line PQ 80mm long has its end 'A' 20mm above HP and 30mm infront of VP. It is inclined at 30º to HP and 45º to VP. Draw the Projections of the line and find apparent lenghts and inclinations.

(CO2) [Comprehension]

4. The top view of line PQ 75mm long measures 50mm. The end P is 30mm infront of VP and 15mm above HP. The end Q is 15mm infront of VP and above HP. Draw the projections of the line and finds its true inclinations with HP and VP. Find the length of front view .

(CO2) [Comprehension]