Roll No											

PRESIDENCY UNIVERSITY
BENGALURU

SET - B

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 3 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 R is 25 mm above HP and 20 mm infront of VP. Another point S is on HP and 30 mm behind VP. The distance between their projectors measured parallel to the line of intersection VP and HP is 50 mm. Find the distance between top views of points R and S.

(CO2) [Knowledge]

2. A point A is 40 mm infront of VP and 30 mm above HP. Another point B is 20 mm behind VP and 25 mm below HP. The horizontal distance between the points measured parallel to XY line is 40 mm.Draw the projections of the points A & B. Draw the side view for the point 'B' and Name it.

(CO2) [Knowledge]

PART B

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

3. The front view of line AB measures 50 mm and makes an angle 45º to the XY line The end A is 10 mm above HP and 20 mm in front of the VP.Draw the projections of line AB if it's top view is inclined with VP at 45º.

(CO2) [Comprehension]

4. A line AB 70mm long is inclined to HP at 45° and inclined to VP at 30°. Its end A is in both HP and VP. Draw front and top views of line and determine their lengths ,inclinations (CO2) [Comprehension]