Roll No											

PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - MAY 2023

Semester : Semester II - B.Tech MEC - 2022
Course Code : MEC1006
Course Name : Sem II - MEC1006 - Engineering Graphics
Program : B.Tech. Mechanical Engineering

Date : 23-MAY-2023
Time : 10.30 AM - 12.00 PM
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 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. **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]

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 is inclined with VP at 45º.
(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]