PRESIDENCY UNIVERSITY
BENGALURU　　SET A

SCHOOL OF ENGINEERING
MID TERM EXAMINATION - OCT 2023

Semester : Semester I - 2023　　　　　　　　　　　**Date :** 6-NOV-2023
Course Code : MEC1006　　　　　　　　　　　　　**Time :** 2:00PM - 3:30PM
Course Name : Sem I - MEC1006 - Engineering Graphics　**Max Marks :** 50
Program : B.Tech.　　　　　　　　　　　　　　　　**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. Type1) Draw the Projections of the following points on the same reference line, keeping the projectors 25mm apart.
   A -in HP and 20mm behind VP
   B -40mm above HP and 25 mm in front of the VP
   C -in the VP and 40mm above the HP
   D -15mm above HP and 50mm behind VP
   E -in both the HP and the VP.

   (CO1) [Knowledge]

2. Type2)A Point 'Q' is 30mm below HP, 20mm behind VP & 25 mm from Right Profile Plane (RPP). Draw its projections and name the side view.

   (CO1) [Knowledge]

PART B

ANSWER ALL THE TWO QUESTIONS　　　　　　2 X 15 = 30M

3. Type3) Line AB is 75 mm long and it is 30 deg & 40 deg Inclined to HP & VP respectively. End A is 20 mm above HP and 15 mm in front of VP. Draw projections. Line is in 1st quadrant.

   (CO2) [Comprehension]

4. Type4) FV of line AB is 50° inclined to XY and measures 55 mm long while its TV is 60° inclined to XY line. If A is 20 mm above HP and 15 mm infront of VP,draw its projections,find TL, inclinations of line with HP & VP.

   (CO2) [Comprehension]