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**PRESIDENCY UNIVERSITY  
BENGALURU**

**SET B**

**SCHOOL OF ENGINEERING  
MID TERM EXAMINATION - DEC 2023**

**Semester :** Semester I - 2023  
**Course Code :** MEC1006  
**Course Name :** Engineering Graphics  
**Program :** B.Tech.

**Date :** 11-DEC-2023  
**Time :** 11:30AM - 1:00PM  
**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. Type1) Draw the Projections of the following points on the same reference line, keeping the projectors 25mm apart.  
A -35 mm above HP & on VP  
B -30mm below HP & on VP  
C -on HP & 25 mm behind VP  
D -on HP& 30 mm in front of VP  
E -in both the HP and the VP.

(CO1) [Knowledge]

2. Type2) A point 'B' is 25 mm in front of VP, 20 mm above HP & 30mm from Left Profile Plane (LPP). 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 70 mm long and it is 30° Inclined to HP & 35° 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) A Line 'AB' has its end A 10 mm above HP and 15 mm in front of VP. The end B is 55 mm above HP and line is inclined at 35° to VP. The distance between the end projectors is 55 mm. Draw the projections of the line. Determine the true length of the line and its inclinations with VP.

(CO2) [Comprehension]