

Roll No.



# PRESIDENCY UNIVERSITY

BENGALURU

## Mid - Term Examinations – October 2025

Date: 09-10-2025

Time: 02.00pm to 03.30pm

<b>School:</b> SOE	<b>Program:</b> B. Tech – Mechanical Engineering	
<b>Course Code:</b> MEC1006	<b>Course Name:</b> Engineering Graphics	
<b>Semester:</b> I	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%

CO - Levels	C01	C02	C03	C04
<b>Marks 50</b>	-	50	-	-

### Instructions:

- Read all questions carefully and answer accordingly.
- Do not write anything on the question paper other than roll number.

### Part A

Answer any two Question		25Mx2Q=50M		
<b>1a</b>	Draw the Projections of the following Points on the same XY line, keeping convenient distance between each projector. Name the Quadrants in which they lie.  A – 30mm above HP & 35 mm in front of VP  B - 35 mm above HP & 40mm behind VP  C- 40 mm above HP & on VP  D - 35 mm below HP & 30 mm in front of VP.	<b>10 Marks</b>	<b>L3</b>	<b>C02</b>
<b>1b</b>	A line PQ 75mm long has its end P in both HP and VP. It is inclined at an angle of 35° to HP 45° to VP. Draw projections of the line.	<b>15 Marks</b>	<b>L3</b>	<b>C02</b>
<b>or</b>				
<b>2a</b>	A Point “A” is 35 mm below HP, 15 mm behind VP & 25 mm from Right Profile Plane (RPP). Draw its projections and name the side view.	<b>10 Marks</b>	<b>L3</b>	<b>C02</b>

<b>2b</b>	A line CD measuring 80mm is inclined at an angle of $30^{\circ}$ to HP and $45^{\circ}$ to VP. The point C is 20mm above HP and 30mm in front of VP. Draw the projections of the straight line.	<b>15 Marks</b>	<b>L3</b>	<b>C02</b>
<b>3a</b>	A Point "B" is 25 mm above HP, 30 mm in front of VP and 40mm from LPP. Draw its projections.	<b>10 Marks</b>	<b>L3</b>	<b>C02</b>
<b>3b</b>	The end P of a line PQ, 70mm long is 15mm above the HP and 20mm in front of the VP. Q is 40mm above the HP. Its top view is inclined at $45^{\circ}$ to the VP. Draw the projections of the line and find its true inclinations with the VP and the HP.	<b>15 Marks</b>	<b>L3</b>	<b>C02</b>
	<b>or</b>			
<b>4a</b>	A point "A" is on HP and 35mm in front of VP another point "B" is on VP and below HP the line joining their front view makes an angle of $30^{\circ}$ to XY and below while the line joining the top view makes an angle of $45^{\circ}$ with XY line. Find the distance of point b.	<b>10 Marks</b>	<b>L3</b>	<b>C02</b>
<b>4b</b>	The line PQ 85mm long has its end 10mm above HP and 15mm in front of VP. The top view and front view of a line PQ are 75mm and 80mm respectively. Draw its projection and determine the true and apparent inclinations.	<b>15 Marks</b>	<b>L3</b>	<b>C02</b>

**\*\*\*\*\* BEST WISHES \*\*\*\*\***