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PRESIDENCY UNIVERSITY

BENGALURU

Mid - Term Examinations – October 2025

Date: 09-10-2025

Time: 02.00pm to 03.30pm

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

CO - Levels	CO1	CO2	CO3	CO4
Marks 50	-	50	-	-

Instructions:

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

Part A

Answer any two Question				25Mx2Q=50M		
1a	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.			10 Marks	L3	CO2
1b	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.			15 Marks	L3	CO2
or						
2a	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.			10 Marks	L3	CO2

2b	A line CD measuring 80mm is inclined at an angle of 30° to HP and 45° to VP. The point C is 20mm above HP and 30mm in front of VP. Draw the projections of the straight line.	15 Marks	L3	CO2
3a	A Point "B" is 25 mm above HP, 30 mm in front of VP and 40mm from LPP. Draw its projections.	10 Marks	L3	CO2
3b	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° to the VP. Draw the projections of the line and find its true inclinations with the VP and the HP.	15 Marks	L3	CO2
	or			
4a	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° to XY and below while the line joining the top view makes an angle of 45° with XY line. Find the distance of point b.	10 Marks	L3	CO2
4b	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.	15 Marks	L3	CO2

******* BEST WISHES *******