

Autonomous Institution Affiliated to Visvesvaraya Technological University, Relegavi Approved by ATC TE New Dethi

Academic year 2022-2023 (Odd Sem)

## **DEPARTMENT OF**

## MECHANICAL ENGINEERING CIE -Improvement test

Date	21 March 2023	Maximum Marks	50
Course Code	22MED13	Duration	90 Minutes
Course Title	Computer Aided Engi	Sem: 1	

Instruction: Answer all questions- Manual drawing only.

Q. No.	Questions	M	ВТ	CO
la.	Draw the projections of the following points on the same XY line.  a) P is 35mm in front of VP and 30mm below HP.  b) Q is 30mm above HP and in VP.  c) R is 30mm behind VP and 25mm below HP  d) S is 40mm behind VP and 50mm above HP  e) T is 30mm in front of VP and 20 mm above HP.	10	2	1
1b.	<ul> <li>i. A point 30mm below XY line is the top view of two points E and F. E is 35mm above HP and F is 40mm below HP. Draw the projections of the two points and state their positions with reference planes and the quadrants in which they lie.</li> <li>ii. Point A is 20mm in front of VP, 25mm above HP and 30mm in front of LPP. Draw the projections.</li> </ul>	10	2	1
2	The front view a'b' of a straight line is 70mm and makes an angle of 50° to XY line. End A is 15 mm in front of VP and 25mm above HP. The difference between the distances of A and B in front of VP is 50mm. Draw the projections and determine the true length and true inclinations with HP and VP.	1 1	3	2
3	The hexagonal lamina of 25mm sides resting on one of its corners on HP. The lamina makes 45° with HP and the corner opposite to corner on which it rests is in front of VP and away from it. Draw its front view and top view		3	2

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks

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1	Marks	Particulars		CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
	Distribution		Marks	20	30	-	-	-	20	30	-	-	-