MAULANA AZAD
NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL
(An Institute of National Importance)
Mini Test February 2025

B.Tech. Semester II
Subject: Engineering Graphics
Time: 01 Hour

Section: G
Subject Code: ME 24104
Maximum Marks: 10

Instructions:
1. *All questions are compulsory.*
2. *Assume suitable data, if necessary.*
3. *labelling and dimensioning are compulsory.*

Q.NO	Questions	Marks	CO's & BT
1.	A straight line AB of 40 mm in length has one of its ends, A, at 10 mm above the HP and 15 mm in front of the VP. Draw the projections of the line if it is parallel to the VP and inclined at 30° to the HP. Assume the line is located in the first quadrant. Determine its traces also.	2	CO 1 & BT 5
2.	Draw the front view (elevation) and top view (plan) of the following points: (i) Point P lies in the HP and 35 mm in front of the VP. (ii) Point Q is 25 mm behind the VP and 15 mm above the HP. (iii) Point R is 10 mm below the HP and 20 mm behind the VP.	3	CO 1, 2 & BT 5
3.	The following figure shows the pictorial view of an object. Draw the elevation, plan, and right-hand side view in first angle projection (All Dimensions are in millimeters and any missing data can be assumed suitably): 	5	CO 2 & BT 5

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