



**MAULANA AZAD**  
**NATIONAL INSTITUTE OF TECHNOLOGY, BHOPAL**  
(An Institute of National Importance)  
**Mid -Term Exam April 2025**

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

**Section: G**  
**Subject Code: ME 24104**  
**Maximum Marks: 20**

*Instructions:*

1. All questions are compulsory.
2. Assume suitable data, if necessary.

Q.NO	Questions	Marks	CO's & BT
1.	A regular hexagon plane with a 30 mm side has a corner on the HP. The corner opposite this corner is 25 mm above the HP. The top view of the diagonal through these corners is perpendicular to the XY reference line. Draw the projections of the plane and find its inclination with the VP.	10	CO 2 & BT 5
2.	A line AB has its end A, 10 mm above the HP and 24 mm in front of the VP. End B is 55 mm above the HP and 50 mm in front of the VP. The distance between the end projectors is 45 mm. Draw the projections of the line and find the true length (TL) and true inclinations. Also, locate the traces.	10	CO 2 & BT 5

\*\*\*\*\*