

Maulana Azad National Institute of Technology, Bhopal
Department of Civil Engineering
Mid Term Exam-Nov. 2024

Class: B.Tech, I Semester
Subject: Engineering Mechanics
Total Questions: 03

Class: Section E
Subject code: CE24103
Max. Marks: 20

Note: All questions are compulsory. Assume any missing data suitably.

S.No.	Questions	Marks
1.	<p>Draw the shear force and bending moment diagram for the given simply supported beam. GC is rigid member of 1m.</p>	(06)
2.	<p>Determine the magnitude and nature of the forces in members 1(ID), 2 (IF) and 3(GF) of the truss shown below. Due to action of roller of weight 1000N. The cable is parallel to AC.</p>	(08)
3.	<p>For given rectangle, find M.I. about diagonal AC.</p>	(06)

$2.14 = 722$