

## मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद

प्रयागराज-२११००४ भारत

## Motilal Nehru National Institute of Technology Allahabad Prayagraj-211004 [India]

## Mechanical Engineering Department End Semester (Odd) Examination 2022-2023

Programme Name: B. Tech.

Semester: I

Course Code: MEN11601

Course Name: Engineering Graphics

Branches: Biotechnology, Chemical Engg.

and Production and Industrial Engg.

Student Reg. No.:

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**Duration: 2 Hours** 

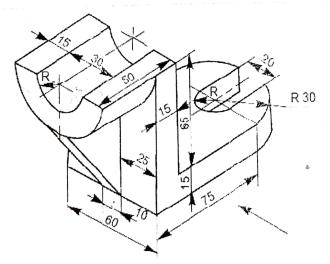
Max. Marks: 50

## **Instructions: (Related to Questions)**

1. Figures to the right indicate the full marks.

2. Attempt All questions.

3. 7	Assume suitable data if missing.	Marks	Mapped to CO number
Q 1.	A point P is 20 mm below H.P. and lies in the third quadrant. Its shortest	5	2
	distance from reference line is 40 mm. Draw its projections.		
	A line BC, 80 mm long, is inclined at 45° to the HP and 30° to the VP. Its	10	2
	end B is in the HP and 40 mm in front of the VP. Draw its projections.		
Q 3.	Draw front view (full in section) and left side view of the object given	20	2
	below.		



Q 4. Draw the three views (i.e. front, top and side) of hexagonal headed nut-bolt

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