

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. *Assume suitable data if missing.*

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

Q 4. Draw the three views (i.e. front, top and side) of hexagonal headed nut-bolt assembly.	15	3
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