

Please check that this question paper contains \_\_\_\_\_ questions and \_\_\_\_\_ printed pages within first ten minutes.

[Total No. of Questions: 09]

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Uni. Roll No. ....

Program: B.Tech

Semester: 3<sup>rd</sup>

Name of Subject: Machine Drawing & Computer Aided Design

Subject Code: PCME-104

Paper ID: 16075

**Time Allowed: 02 Hours**

**Max. Marks: 60**

**NOTE:**

- 1) Each question is of 10 marks.
- 2) Attempt any six questions out of nine
- 3) Any missing data may be assumed appropriately

19-07-21(E)

1. What is sectioning and discuss all types of sectioning.
2. Draw free hand sketch of front and top view of foot step bearing.
3. Sketch freehand the top view and sectional front view of a single riveted double cover butt joint. Take rivet diameter as 24 mm.
4. Draw the three views of a hexagonal nut and show all the proportions.
5. Sketch freehand the full sectional front view of spigot and socket joint.
6. Draw Knuckle and Buttress threads and give their full details.
7. Make a proportionate free hand sketch of a cone clutch.
8. Draw profile of BSW threads by taking pitch of 20 mm. Represent calculations and show dimensions on the drawing
9. Discuss the following commands of Auto CAD. (i) Break (ii) Trim (iii) Extrude (iv) line (v) cut

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