End Term Examinations (December 2019)

School: School of Engineering   **Program:** B-Tech- Mechanical

Course: Machine Design and Computer Graphics   **Course Code**: MEC203

Semester: III   **Max Marks:** 40   **Duration (mins) :** 90

Note:
1) Answers to the Questions should be written on the Same Sheet.
2) Neat Diagrams/ Sketches must be drawn wherever necessary.
3) All questions are compulsory.
4) Each question carries 10 marks

NAME: URN: Signature:
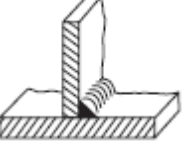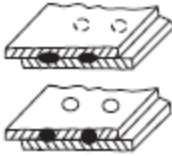
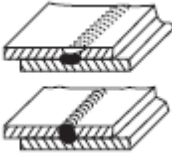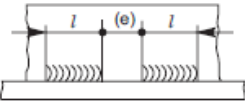Q1a. What are the different types of Rivet heads   **[4]**

Q1b. Draw a Double strap diamond butt joint. **[6]**

Q2a. Identify the following types of weld: **[4]**

S.No	Designation	Illustration	Symbol
1.			V
2			Y
3			◁
4			○
5			⊕
6			⋈
7			a ◁ n × l(e)
8			▽

Q2b. Draw a single collar Thrust Bearing **[6]**

Q3. Draw a Plummer Block Bearing   **[10]**

Types of anti-friction bearings
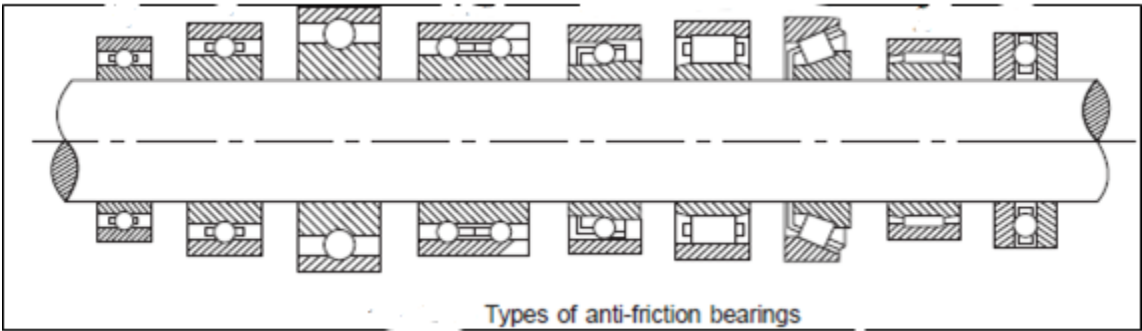
Q4b Draw the Worm and Worm Gear and a Bevel Gear pair.   **[6]**

Invigilators Name and Signature:

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