Total No. of Pages : 03

Max. Marks : <u>60</u>

Roll No.

Total No. of Questions :

### (Sem.-3) B.Tech. (ME) MACHINE DRAWING Subject Code : BTME-303 M.Code: 59113 Date of Examination : 11-12-2023

Time: 3 Hrs.

## **INSTRUCTIONS TO CANDIDATES :**

- SECTION-A is COMPULSORY consisting of NINE questions carrying TWO marks 1.
- SECTION-B contains FOUR questions carrying FOUR marks each and students 2. have to attempt any THREE questions.
- SECTION-C contains TWO questions carrying THIRTY marks each and students 3. have to attempt any ONE question.

### SECTION-A

#### 1. **Answer briefly :**

- a) What do you mean by single start thread?
- b) Define clearance fit.
- c) Write advantages of square headed bolts.
- d) Write various types of welded joints.
- e) What is the application of knuckle joint?
- Write function of blow off cock. f)
- g) Name various boiler mountings.
- h) Write advantages of muff coupling.
- What is the application swivel bearing? i)

### **SECTION - B**

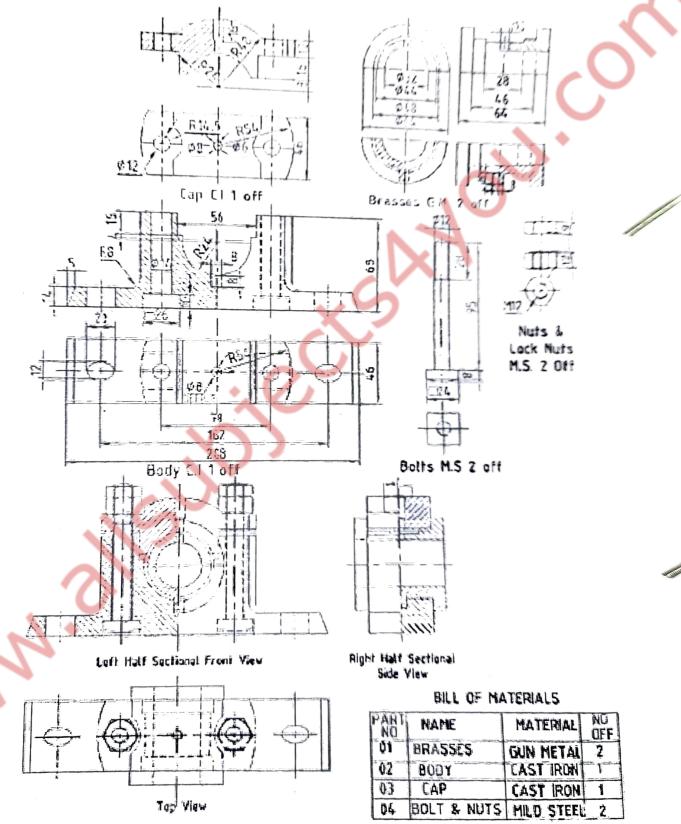
- Draw two views of square nut with proportions and diameter of bolt as 30mm.
- Draw two views of double riveted Lap joint for 18mm thick plates.
- Draw freehand sketch of top half sectioned front view of pin type flexible coupling. 4.
- Draw freehand sketch of expansion joint. 5.

2.

# SECTION - C

1

6. Assemble the parts of plumber block shown in figure 1. Draw the following views :a) Elevation left half in section b) Plan



Assembly drawing of Plummer Block

1.

assembly : b) Plan. a) Elevation right half in section

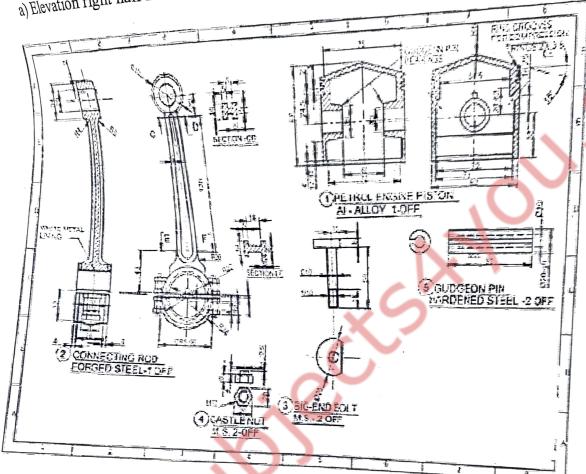


Fig.2

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.