6247

BOARD DIPLOMA EXAMINATIONS

DME-THIRD SEMESTER

SEPTEMBER/OCTOBER - 2020

MACHINE DRAWING

Time: 3 hours Max. Marks: 60

PART - A

 $4 \times 5 = 20$

Instructions: 1. Answer all questions.

- 2. Each question carries Five Marks.
- 3. All dimensions are to be in mm.
- **1.** Draw a Hexagonal headed bolt with a nut and washer in a position taking Nominal diameter is 20 mm and length 80 mm
- 2. Draw the following rivet heads with a suitable proportions:
 - a) Snap head
 - b) Pan head
- **3.** Draw the following weld symbols:
 - a) Back or backing weld
 - b) Convex double V butt weld
 - c) Seam weld
 - d) Fillet weld
 - e) Single J butt weld.

Draw the symbols for the following pipe fittings (single line):

- a) Globe Valve
- b) Gate Valve
- c) Check Valve
- d) Reducer
- e) Union

- Instructions: 1. Answer any Five questions
 - 2. Each question carries FORTY Marks.
 - 3. All dimensions are given in mm.
 - 4. Choose suitable Scale.
 - 5. Assume missing dimensions suitably.

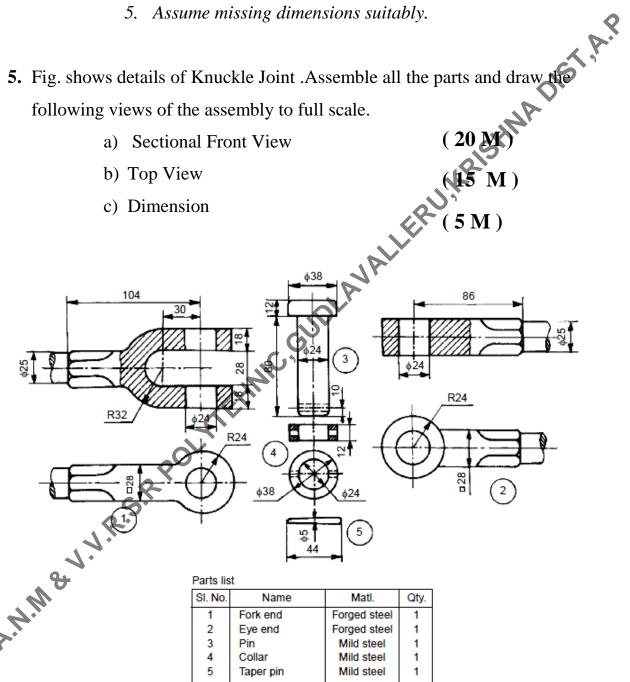


Fig. Knuckle joint

6. Fig. shows details of Plummer Block. Assemble all the parts and draw the following views.

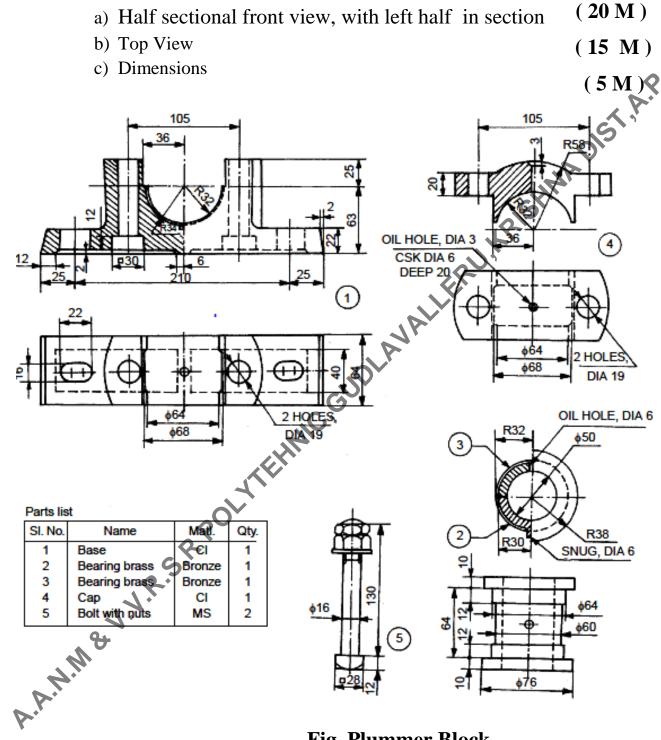


Fig. Plummer Block