

Roll No.

Total No. of Pages : 03

Total No. of Questions : 07

B.Tech. (Marine Engg.) (2013 Onwards)/(ME)(2012 Onwards) (Sem.-3)

MACHINE DRAWING

Subject Code : BTME-303

M.Code : 59113

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

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

SECTION-A

Q1) Answer briefly :

- List out the elements of a dimension line.
- Explain the term half and full section.
- What do you mean by interference fit?
- Draw any two rivet heads by using suitable diameter.
- What do you mean by flexible coupling?
- What is the function of connecting rod?
- What is safety valve?
- Name the different types of welding joints.
- How surface roughness values are indicated on a drawing?

SECTION-B

- Q2) Sketch the metric thread and buttress thread profile by using suitable pitch.
- Q3) Draw the sectional front view and top view of the single riveted butt joint, take thickness of plate 15 mm and diameter of rivet 20 mm.
- Q4) Draw the free hand sketch of tail stock.
- Q5) Draw the free hand sketch of protected type flange coupling.

SECTION-C

Q6) Figure 1 show the detail of a Plummer Block. Assemble the given components and draw the front view (Right half in section), top view and side view of assembly.

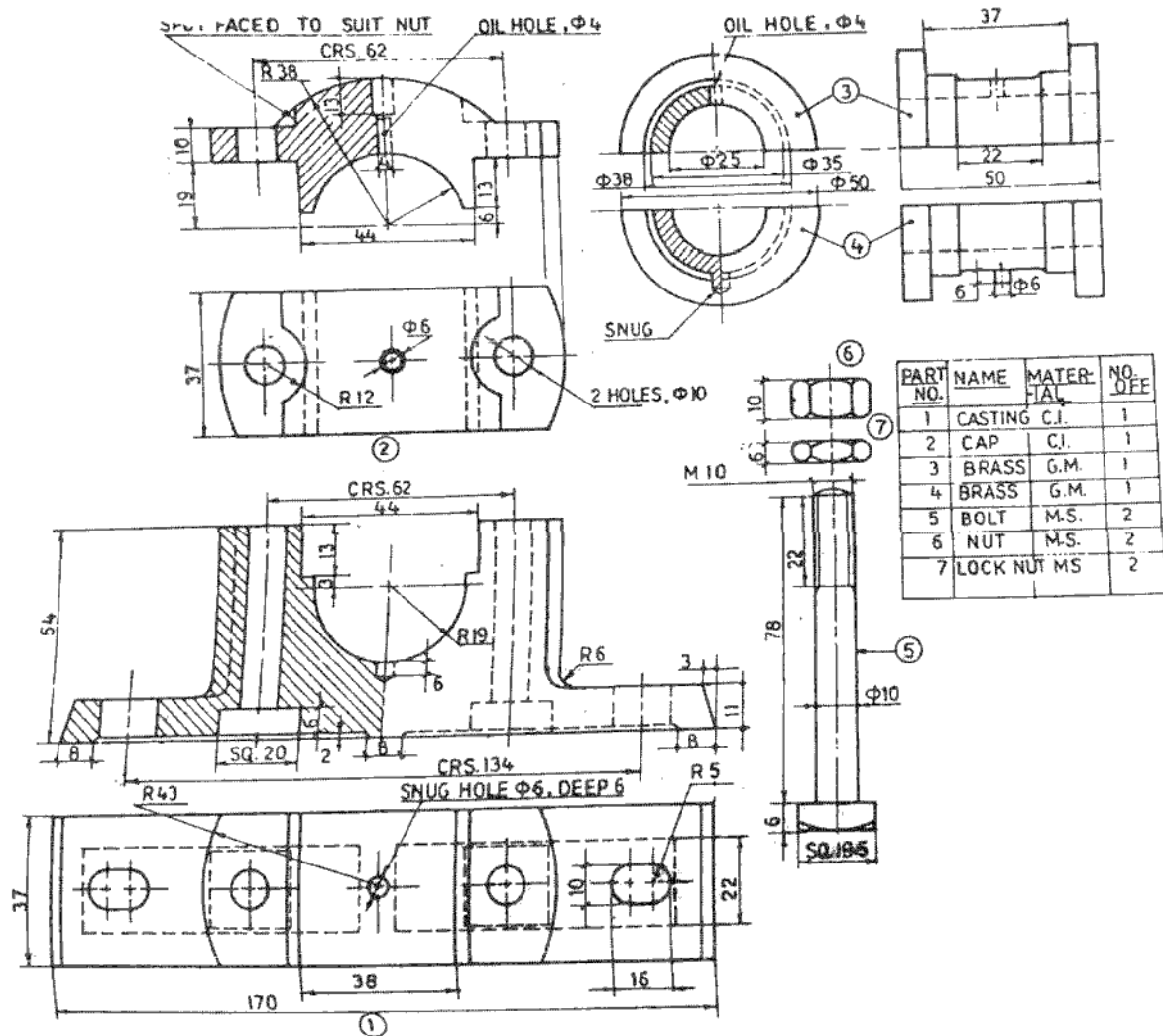


Fig 1: Details of Plummer Block

Fig.1

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.



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