Roll No. Total No. of Pages: 03

Total No. of Questions: 15

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

INSTRUCTIONS TO CANDIDATES:

- 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

Answer briefly:

- Q1) Sketch the five types of line used in machine drawing.
- Q2) Explain the term half and full section.
- Q3) What are unilateral and Wateral limits?
- Q4) Draw any two rivet hads by using suitable diameter.
- Q5) Draw edge and corner welding joints.
- Q6) What are multi start threads and where are they used?
- Q7) What is safety valve?
- Q8) Draw a view of connecting rod and show its important parts.
- Q9) What is the function of a tail stock?

SECTION-B

- Q10) Sketch two views of a single riveted double strap Butt joint for 16 mm thick plates.
- Q11) Draw the three projections of a standard square nut by using 25 mm nominal diameter.
- Q12) Make a proportionate free hand sketch of a single plate clutch.
- Q13) Draw the free hand front view (lower half in section) of a hydraulic joint for a pipe line.

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SECTION-C

Q14) Figure 1 show the detail of a Plummer Block. Assemble the given components and draw the front view (Right half in section) and top view of assembly.

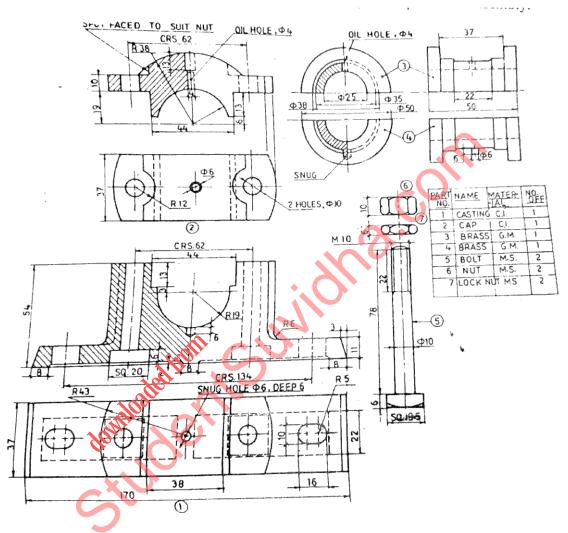


Fig.1 Details of Plummer Block

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Q15) Figure 2 show the detail of a cotter joint. Assemble the given components and draw the front view (upper half in section) and top view of assembly.

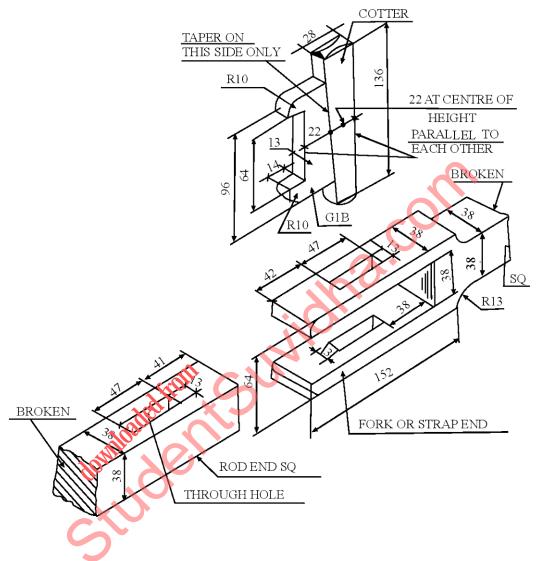


Fig. 2 Detail of Gib and cotter joint for square rod

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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