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***B.Tech. Degree V Semester Examination in  
Marine Engineering December 2019***

**MRE 1506 MARINE ENGINEERING DRAWING  
(2013 Scheme)**

Time: 4 Hours

Maximum Marks: 100

- I. Details of a 4 stroke piston and rod is given in figure 1.  
Draw:
- (a) Full sectional elevation of the assembled unit (30)
- (b) Half sectional end view (left half section) (20)
- OR**
- II. Figure 2 shows the details of a rudder carrier bearing.  
Draw:
- (a) Elevation with one left half in section when assembled (35)
- (b) Plan view of assembly (15)
- III. Figure 3 shows details of a gear pump.  
Draw:
- (a) Sectional elevation through longitudinal axis of driving gear assembly (30)
- (b) End view right half in section of assembly (20)
- OR**
- IV. Figure 4 shows details of a crane hook.  
Draw:
- (a) Sectional elevation through axis of swivel block of assembly (35)
- (b) Plan view of the assembly (15)

(P.T.O.)



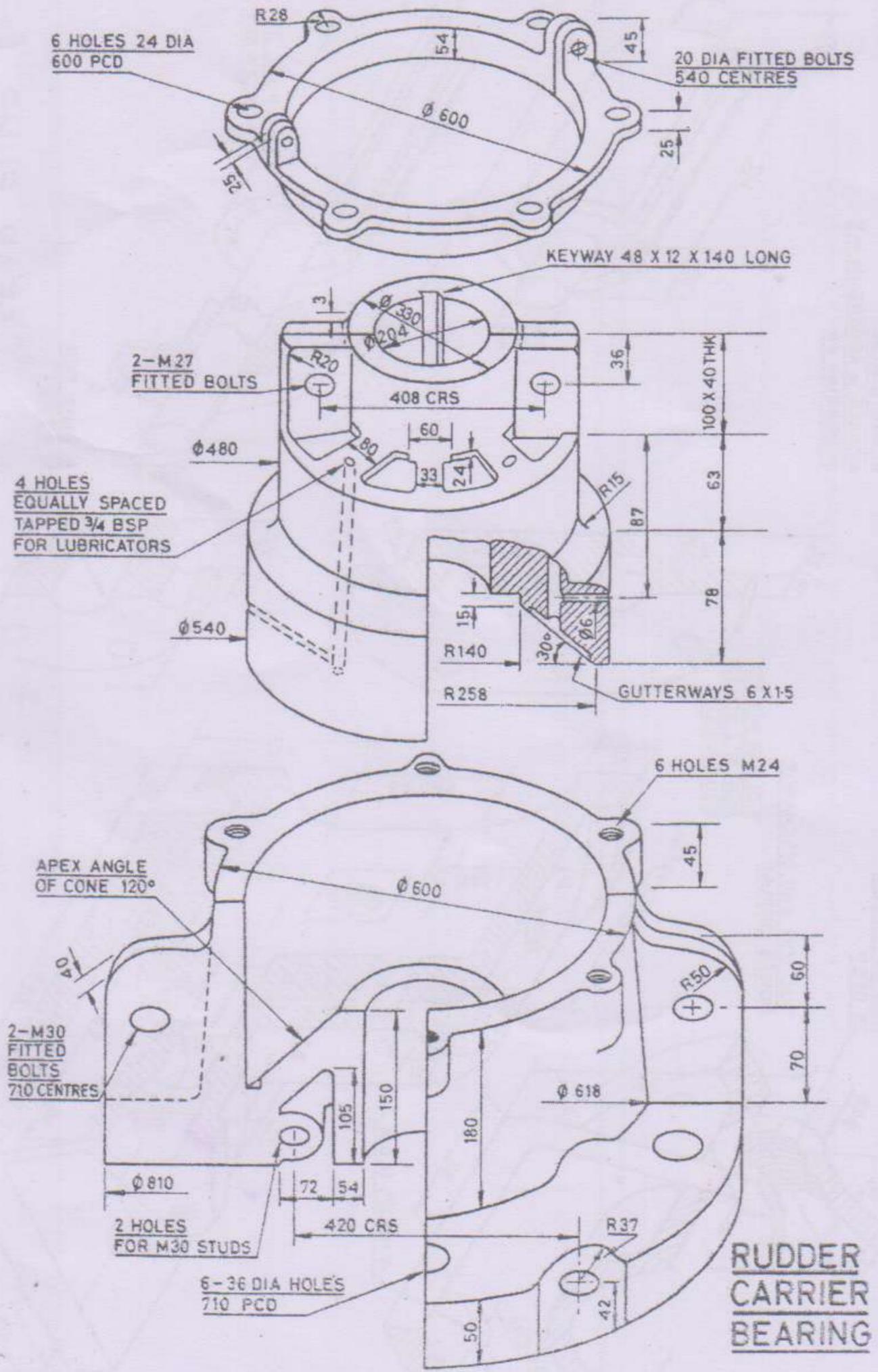


Figure-2

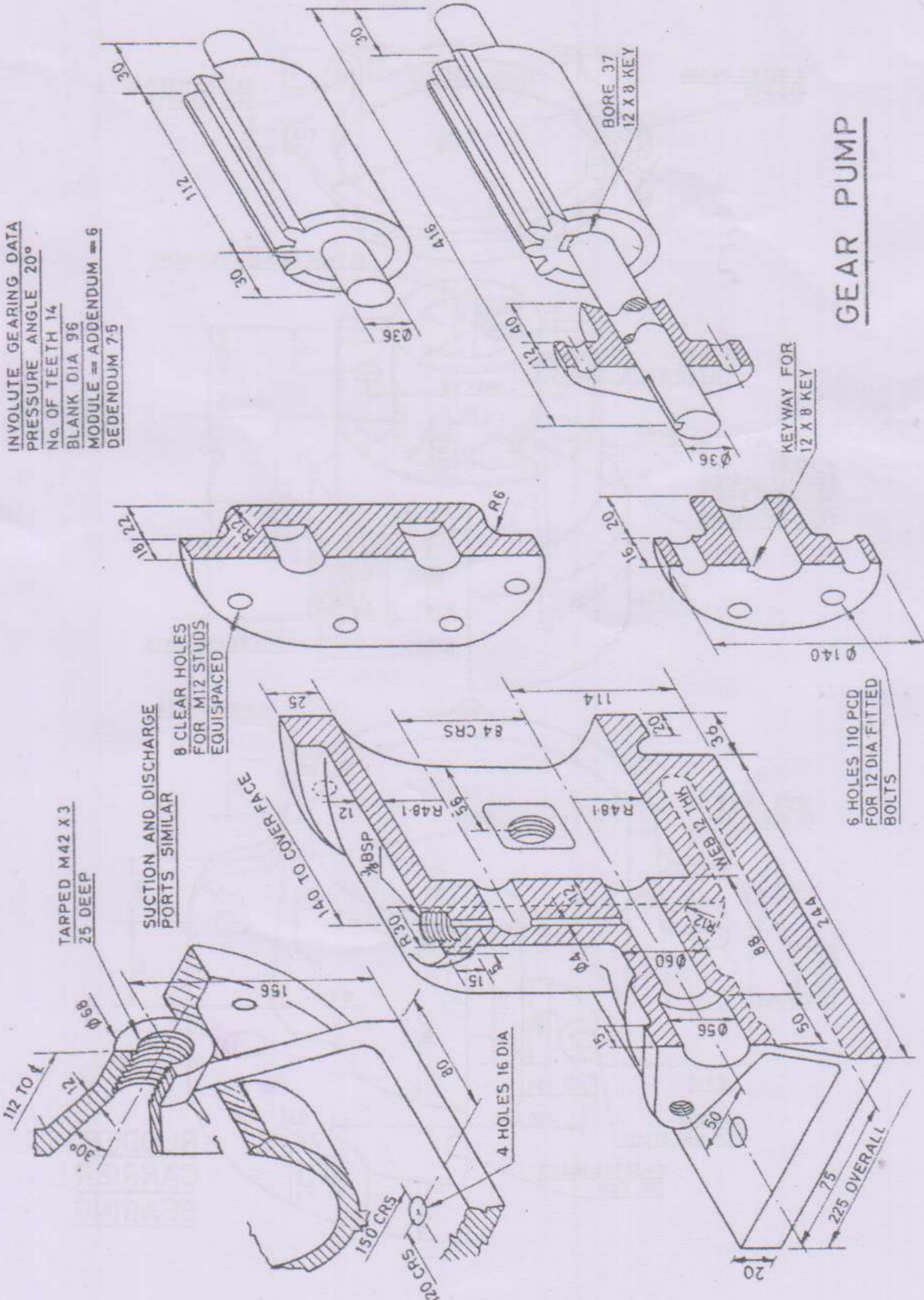


Figure-3

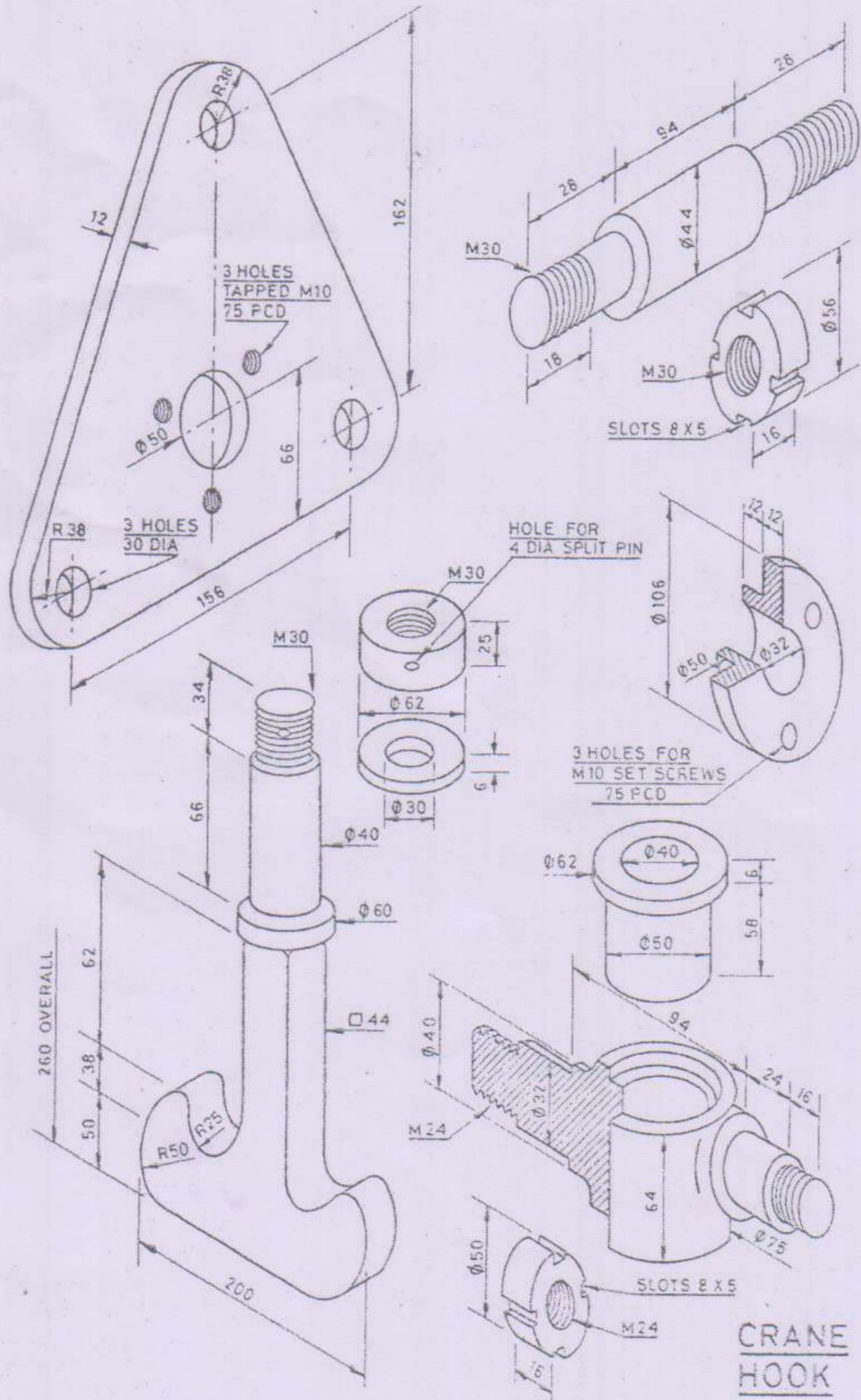


Figure-4

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