

--	--	--	--	--	--	--	--	--	--

***B.Tech. Degree III Semester Examination in  
Marine Engineering December 2017***

**MRE 1306 MACHINE DRAWING  
(2013 Scheme)**

Time: 4 Hours

Maximum Marks: 100

- I. A pictorial view of an object is given in figure 1. Draw the following views. (20)
- (a) Front view in the direction of F.
  - (b) Top view.
  - (c) Side view.

**OR**

- II. The isometric view of a machine part is shown in figure 2. Draw the following views. (20)
- (a) Front view right half in section.
  - (b) End view from left.

- III. Draw right half sectional elevation of a stop valve shown in figure 3. (30)

**OR**

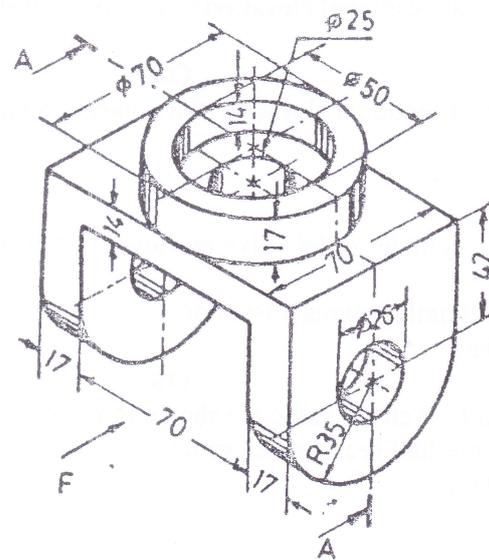
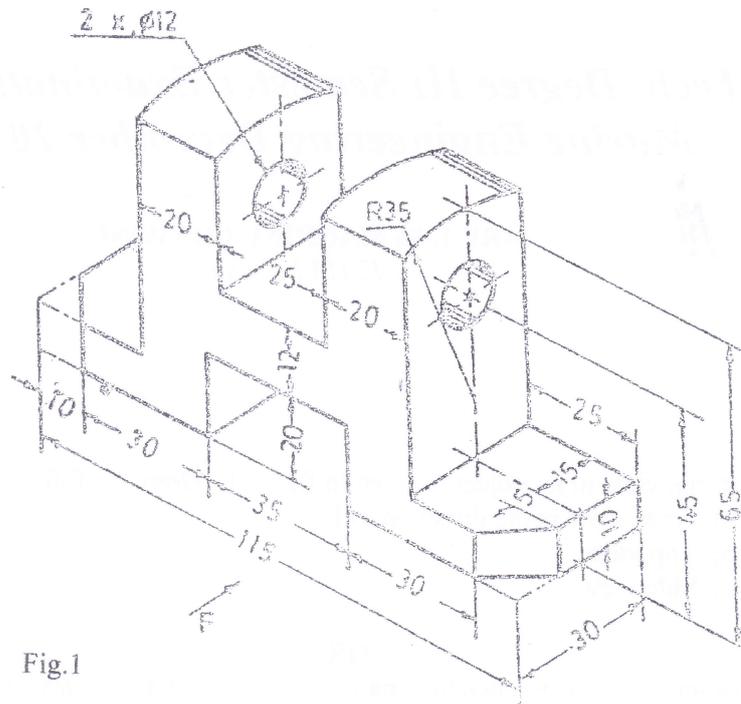
- IV. Draw left half sectional elevation of a non-return valve shown in figure 4. (30)

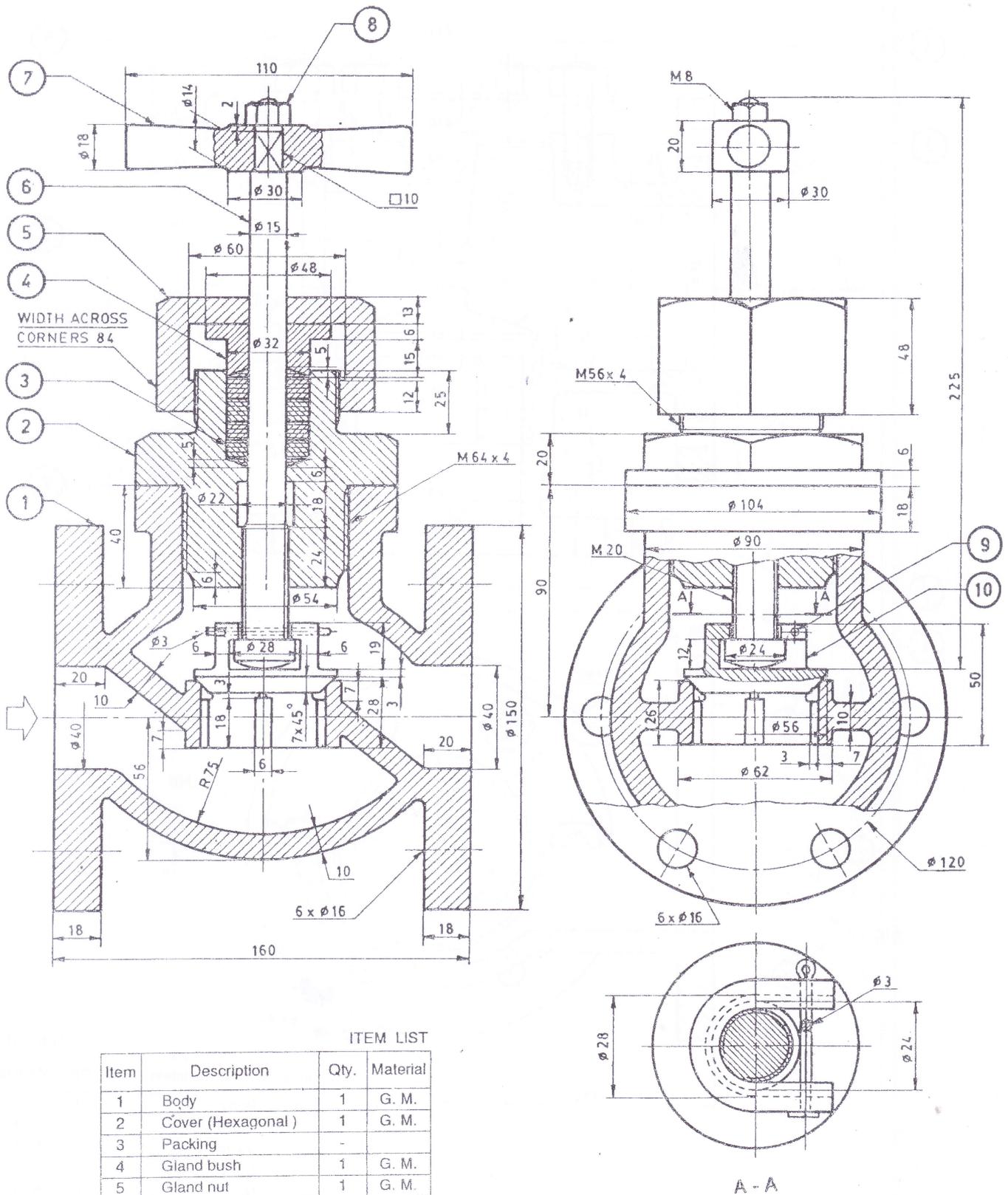
- V. Details of a cylinder relief valve is shown in figure 5. Assemble and draw to full size: (50)
- (a) Left half sectional elevation.
  - (b) Plan

**OR**

- VI. Details of a feed check valve are shown in figure 6. Assemble and draw: (50)
- (a) Right half sectional elevation.
  - (b) Plan.

**(P.T.O.)**





ITEM LIST

Item	Description	Qty.	Material
1	Body	1	G. M.
2	Cover (Hexagonal)	1	G. M.
3	Packing	-	
4	Gland bush	1	G. M.
5	Gland nut	1	G. M.
6	Spindle	1	G. M.
7	Handle	1	G. M.
8	Nut	1	G. M.
9	Split pin	1	G. M.
10	Valve	1	G. M.

Fig.3

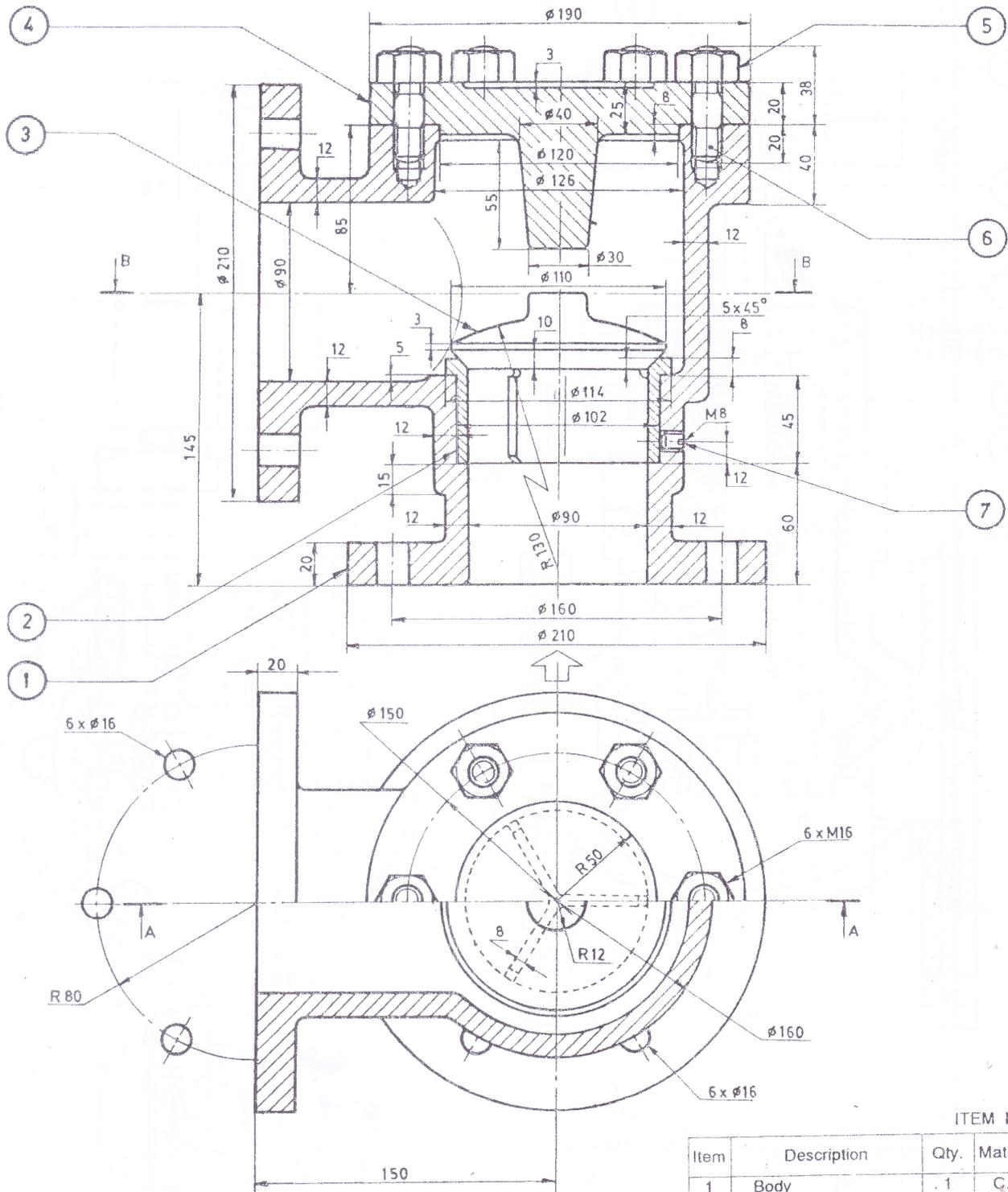


Fig.4

ITEM LIST

Item	Description	Qty.	Material
1	Body	1	C. I.
2	Valve seat	1	G. M.
3	Valve	1	G. M.
4	Cover	1	C. I.
5	Nut	6	M. S.
6	Stud	6	M. S.
7	Set screw	1	M. S.



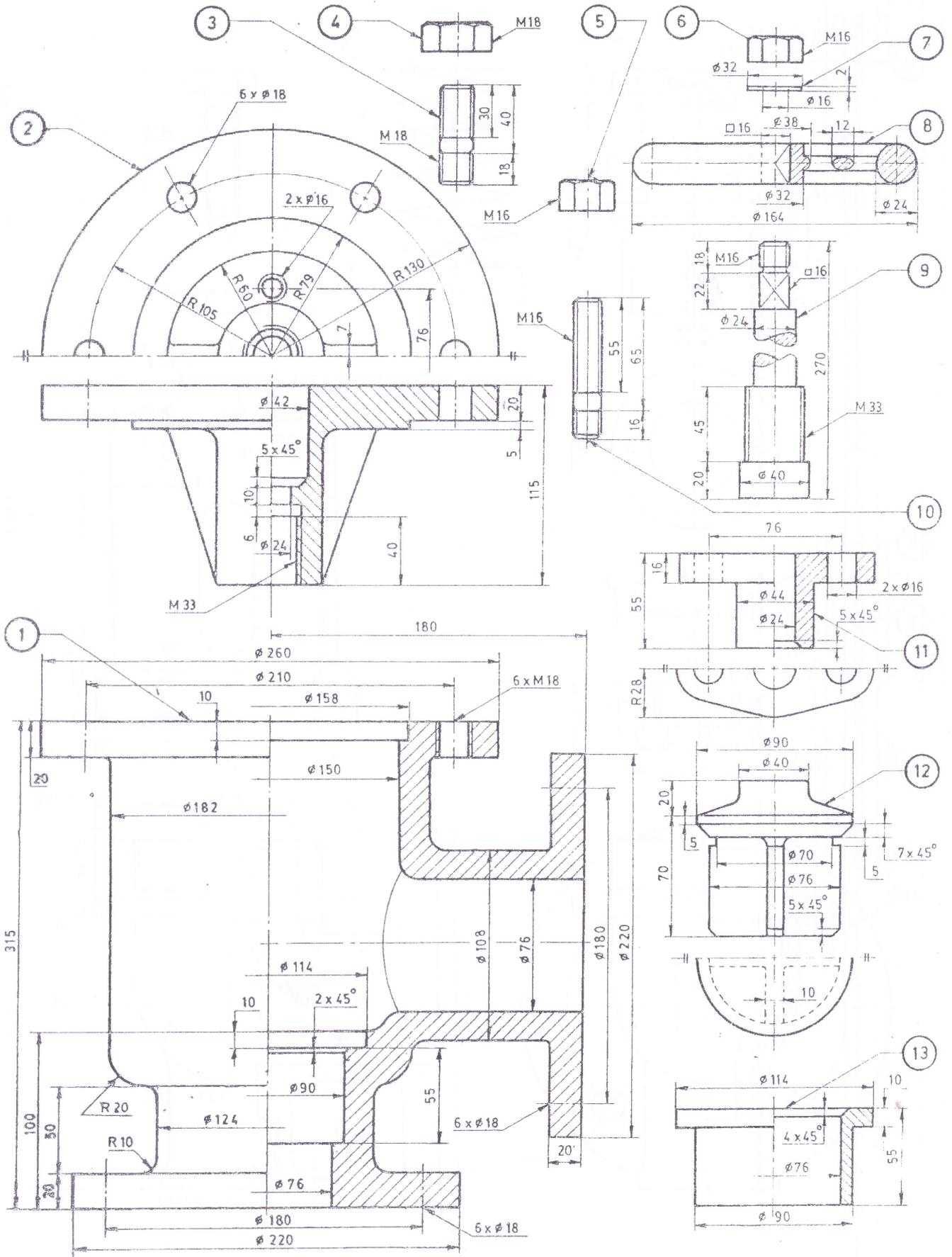


Fig.6