

D 4 ✓

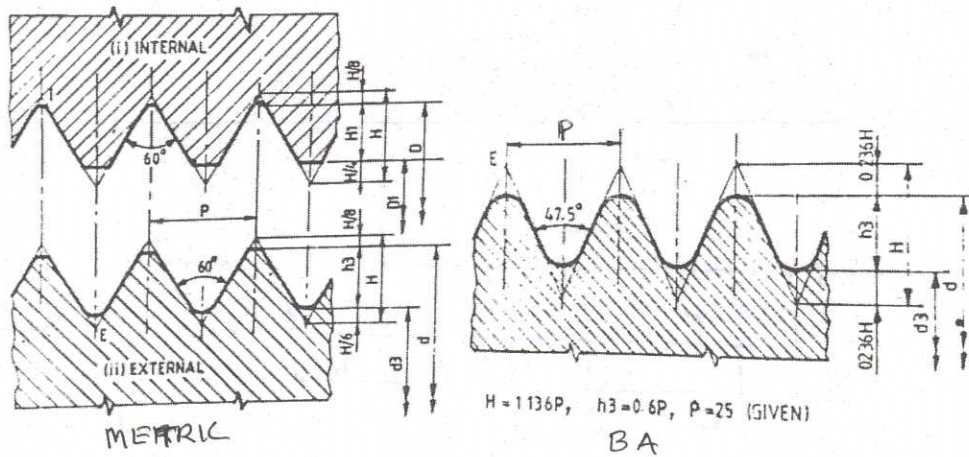
B

TED (15) 3024

MACHINE DRAWING

MODULE-I

I



II

Calculations

$$d = 6\sqrt{t}$$

$$= 6\sqrt{10} = 18.9 \text{ mm}$$

next higher std size

take,  $d = 20 \text{ mm}$

$$p = 2d = 60 \text{ mm}$$

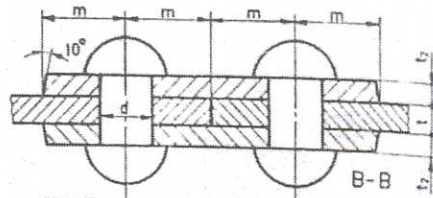
thickness of cover plate

$$t_1 = 0.8b$$

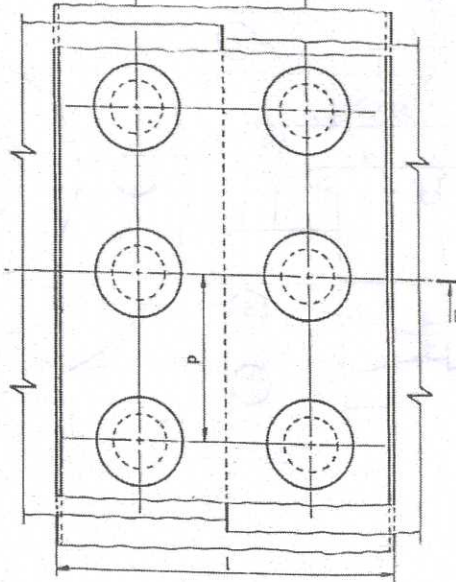
$$= 0.8 \times 10 = 8 \text{ mm}$$

$$m = 1.5d$$

$$= 1.5 \times 20 = 30 \text{ mm}$$



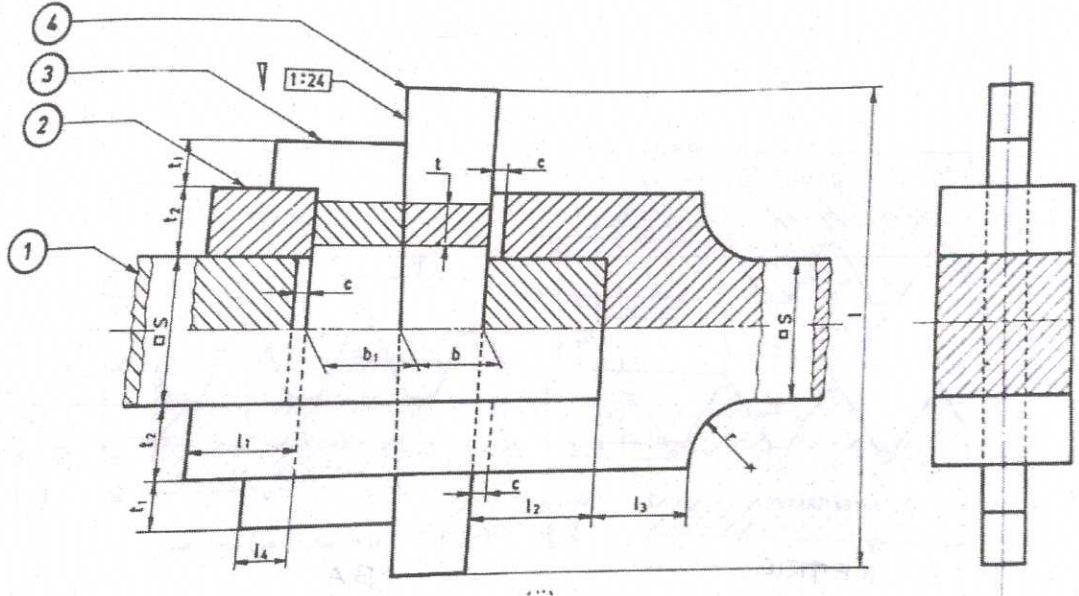
CALCULATION



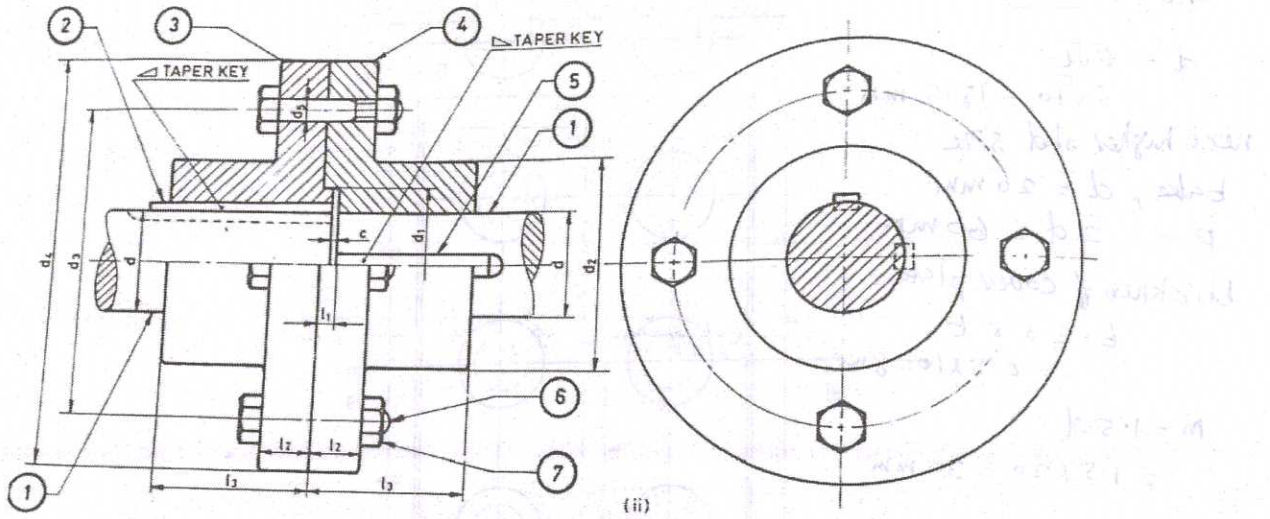
$$t = 10, d = 20, m = 1.5d, p = 3d, t_2 = 0.8t$$

MODULE - II

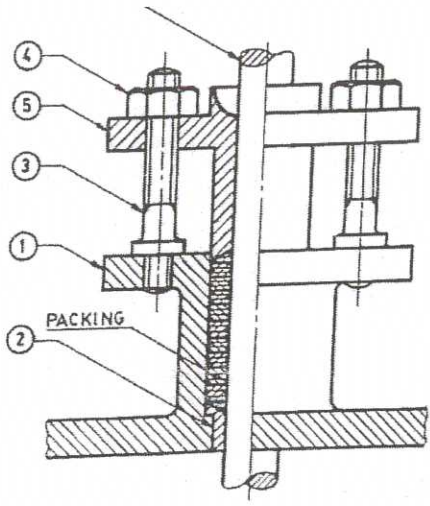
III



IV



V MODULE- III

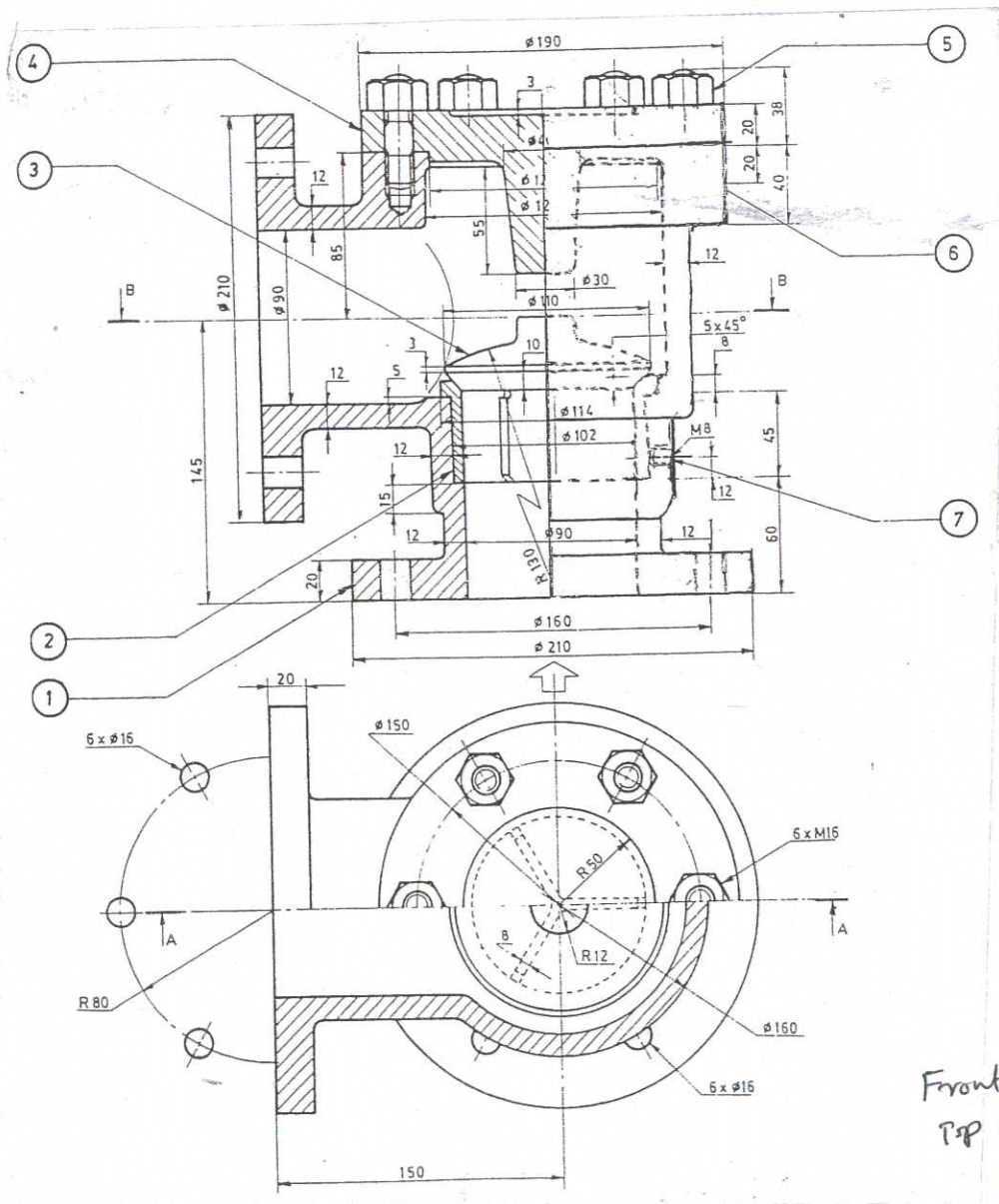


ITEM LIST

Item	Description	Qty	Material
1	Body	1	C I
2	Gland bush	1	Brass
3	Stud	2	M S
4	Nut	2	M S
5	Gland	1	C I
6	Piston rod	1	Steel

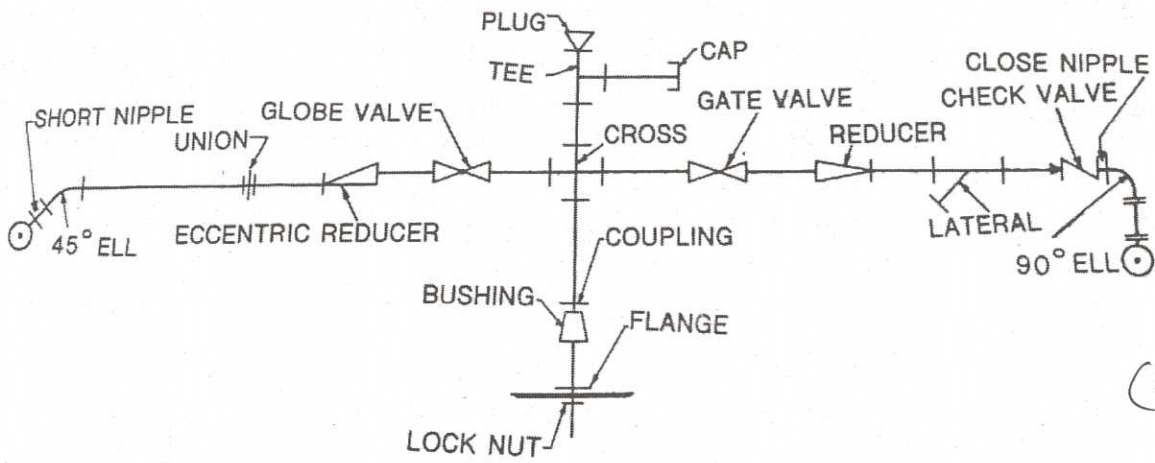
Front view - 30  
 BOM - 10  
40  
**STUFFING BOX**

VI



Front view - 25  
 Top view - 15  
40

VIII



(15)

VII

- Square butt 11
- V-Butt ✓
- J-Butt P
- Fillet weld Δ
- Single U-Butt 4

5 x 3 marks = 15