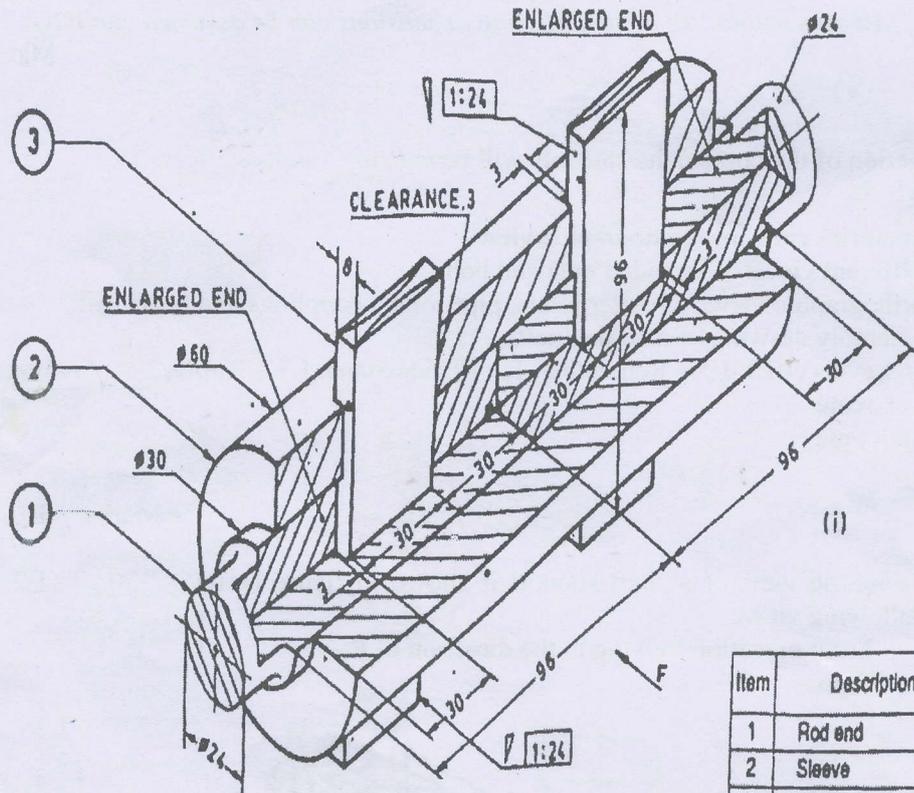




Marks BL CO PO

II. An isometric view of a Sleeve and cotter joint is shown in Figure Draw the following views. 20 L3 3 1

- (i) Bottom half sectional elevation view to 1:1 scale.
- (ii) Plan



ITEM LIST

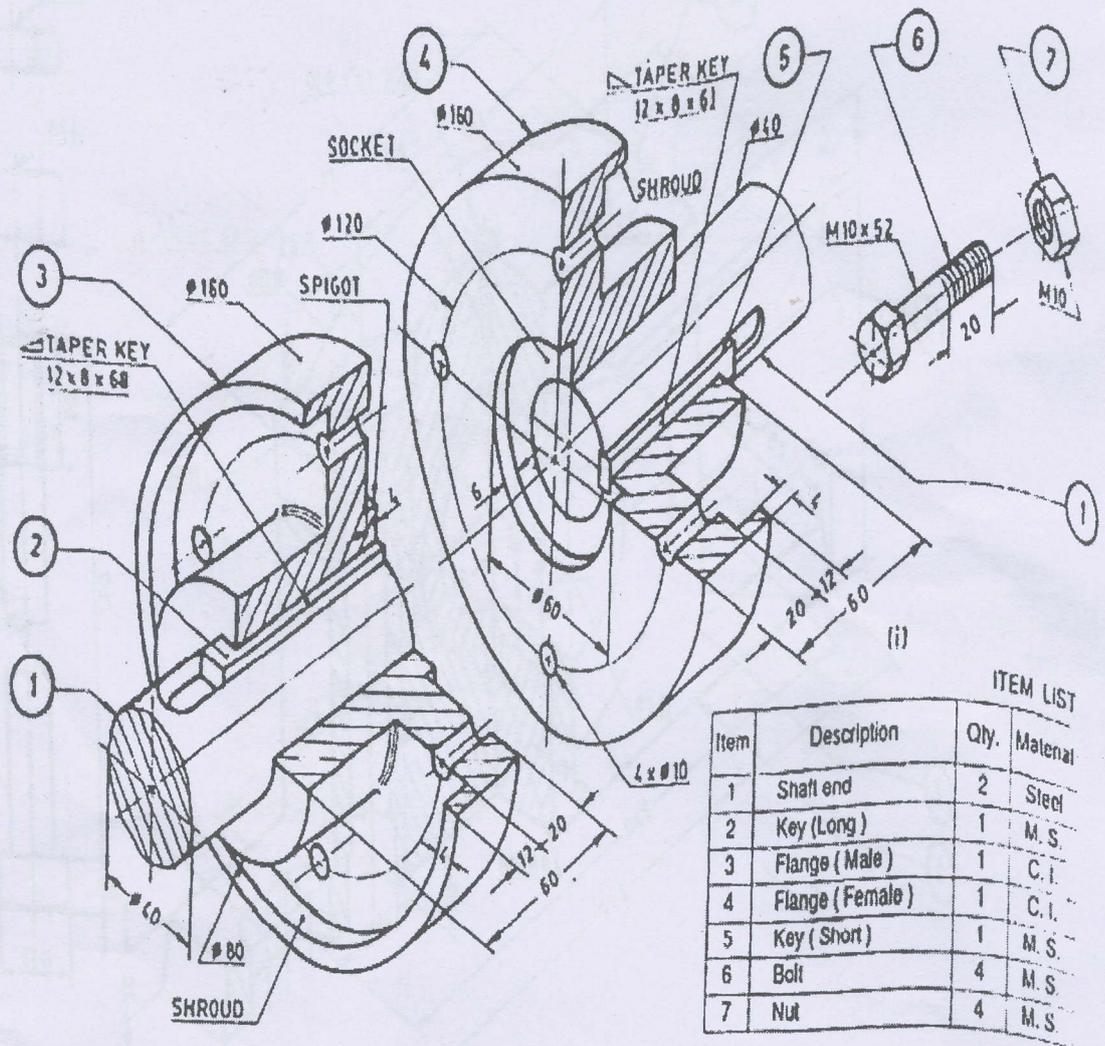
Item	Description	Qty.	Material
1	Rod end	2	M. S.
2	Sleeve	1	M. S.
3	Cotter	2	M. S.

Sleeve and cotter joint

(Continued)



- IV. An isometric view of a Flanged coupling (protected type) is shown in figure. Draw the following views:
- (i) Elevation, bottom half in section.
  - (ii) End view, looking from left side.



Flanged Coupling (Protected type)

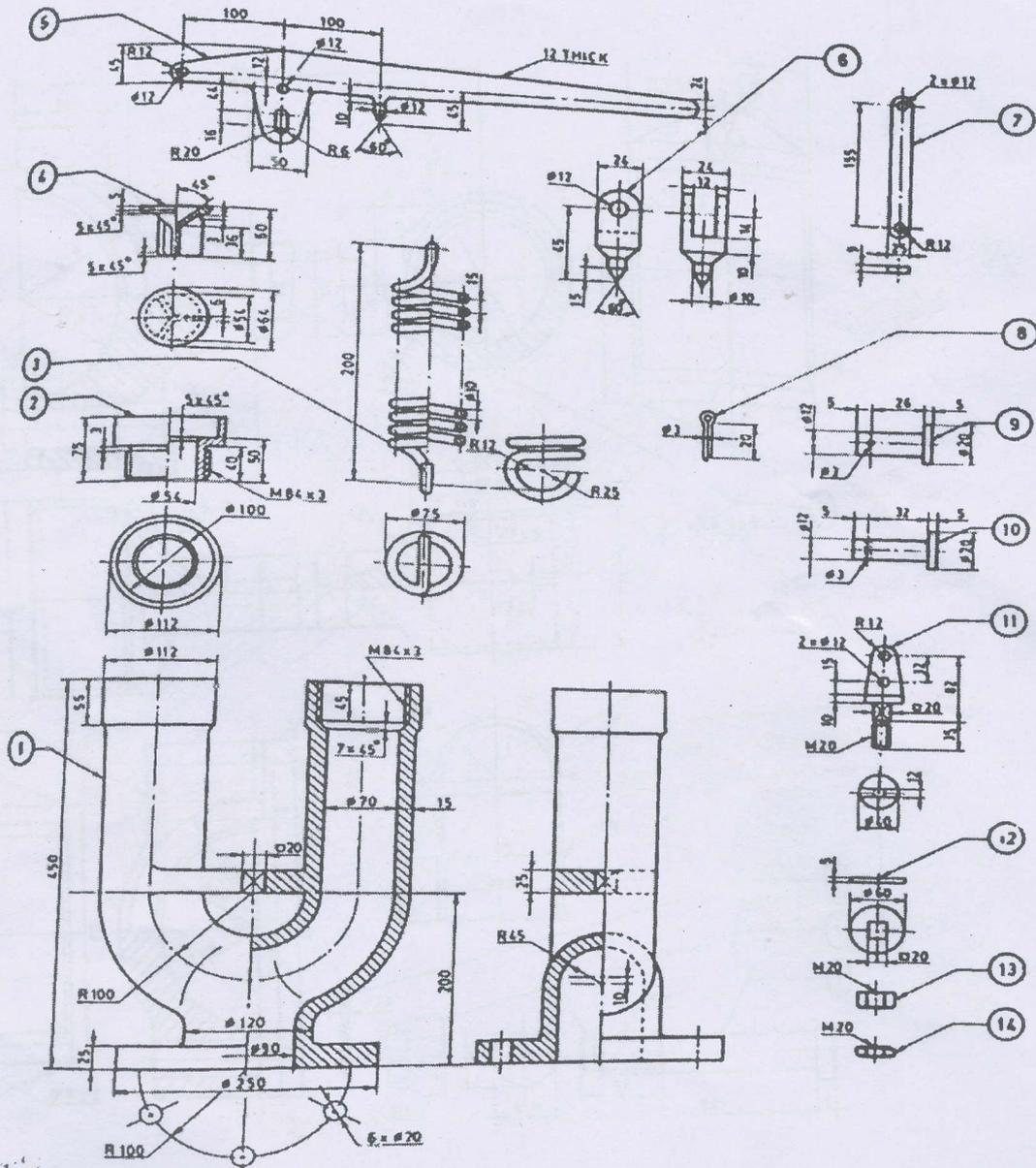
(Continued)



Marks BL CO PO

- VI. Disassembled view of a Rams bottom safety valve is shown in figure. Assemble the parts and draw :
- (i) The right half sectional elevation.
  - (ii) Also prepare a bill of material.

30 L4 4 2



Ramsbottom safety valve

Bloom's Taxonomy Levels  
 L2 = 13%, L3 = 47%, L4 = 40%,

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