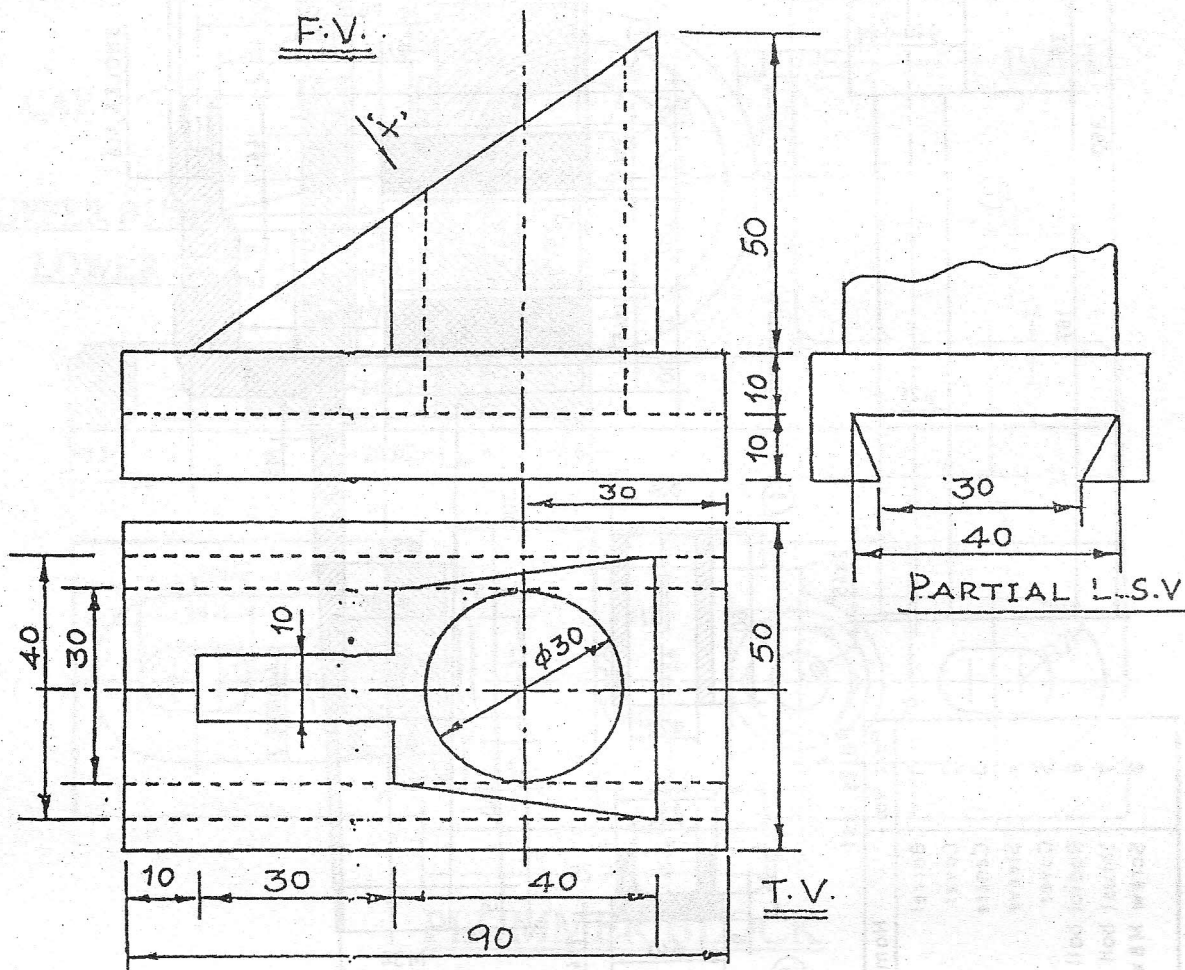


- N.B. :** (1) All questions are compulsory.
 (2) Only drawing sheets are to be used for answering.
 (3) Assume suitable data if missing any.
 (4) Use only **First angle** method of projection.

1. A vertical square prism base 50 mm edges and 110 mm axis length stands on its base on HP, with vertical face making 30° to VP. It is completely penetrated by horizontal square prism 40 mm edges and 110 mm axis length so that axis parallel to VP and is 10 mm away from the axis of the vertical prism. The axis of the intersecting prism 55 mm above the base of the vertical prism. Draw projections showing lines of intersection, if horizontal prism two base sides are 30° inclined to H.P. 10
2. Figure shows F.V., T.V. and partial side view. Draw – 12
 (a) Auxiliary view
 (b) Complete side view.

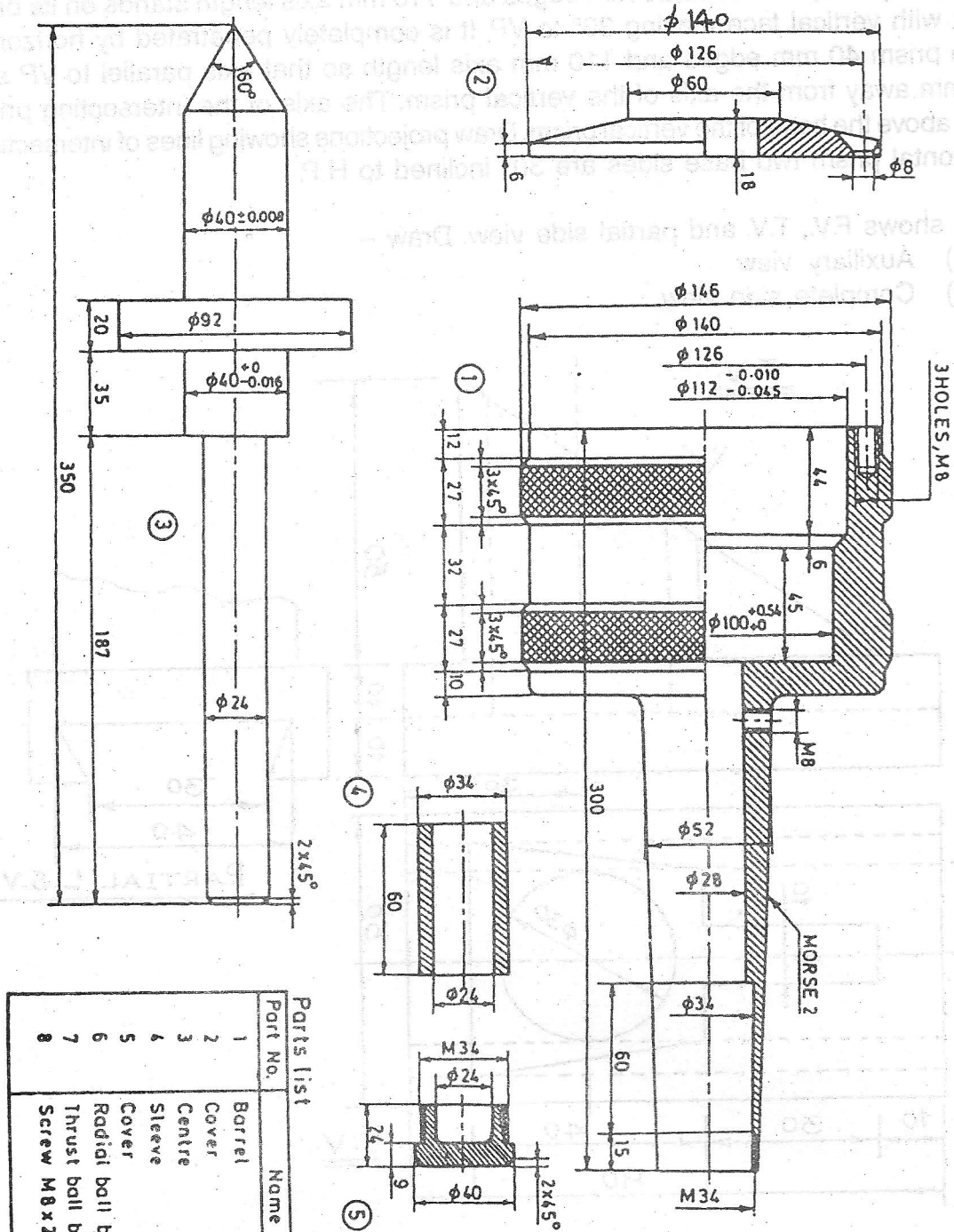


3. Draw freehand neat proportionate sketches of following :- 10
 (a) Fast and loose pulley
 (b) Strap Joint with Gib and Cotter
 (c) Flanged coupling.

4. Figure shows details of revolving centre. Assemble the component and draw :-

- (a) Sectional Front View
- (b) Left hand side view
- (c) Show 10 important dimensions.

15
6
2



Parts list		
Part No.	Name	Matl
1	Barrel	MS
2	Cover	MS
3	Centre	Alloy steel
4	Sleeve	MS
5	Cover	MS
6	Radial ball bearing	208
7	Thrust ball bearing	308
8	Screw M8x21	MS

