

Set 1			
Level	BE	Full Marks	
Programme	BME	Pass Marks	
Year/Part	I/I	Time	

**Subject:** - Engineering Drawing I (ME 401)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt **All** questions.
- ✓ The figures in the margin indicate **Full Marks**.
- ✓ Assume suitable dimensions if necessary.

1. Draw an involute of circle having diameter of 50 mm
2. Figure 1 shows projections of the axis AB of a cylinder and point P lying on the surface of the cylinder. Determine the radius of the cylinder

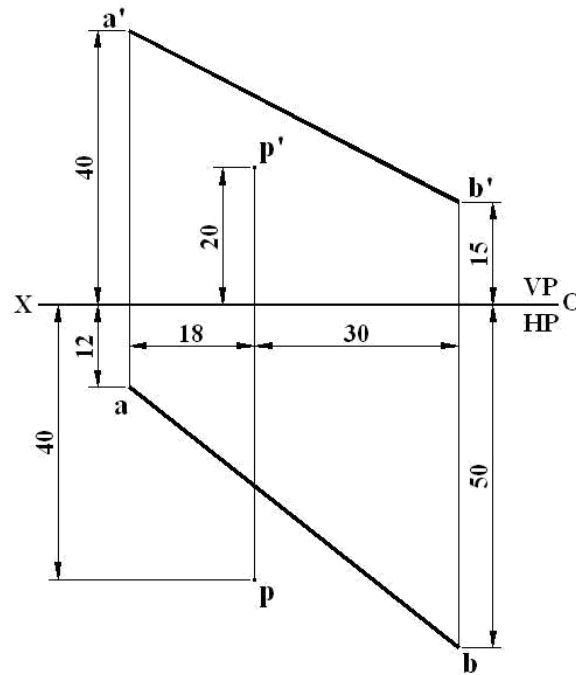


Figure 1

3. Pictorial view of an object is shown in **Figure 2** below. Draw orthographic projections with sectional front view.

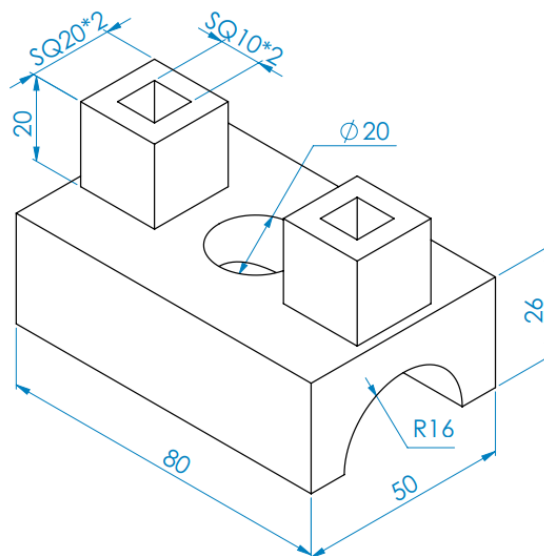
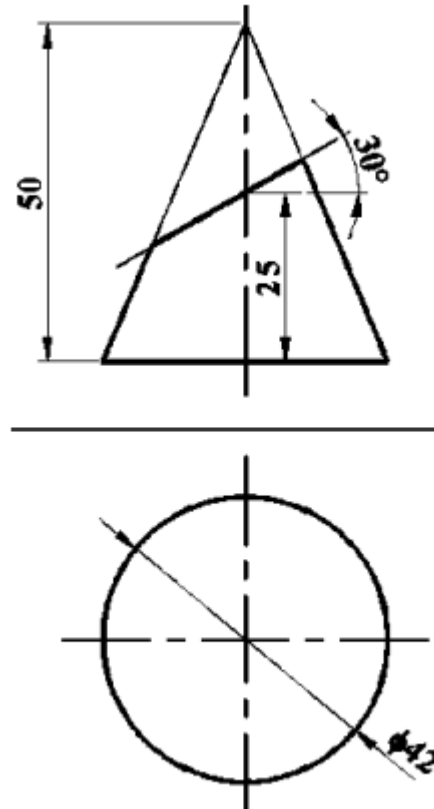


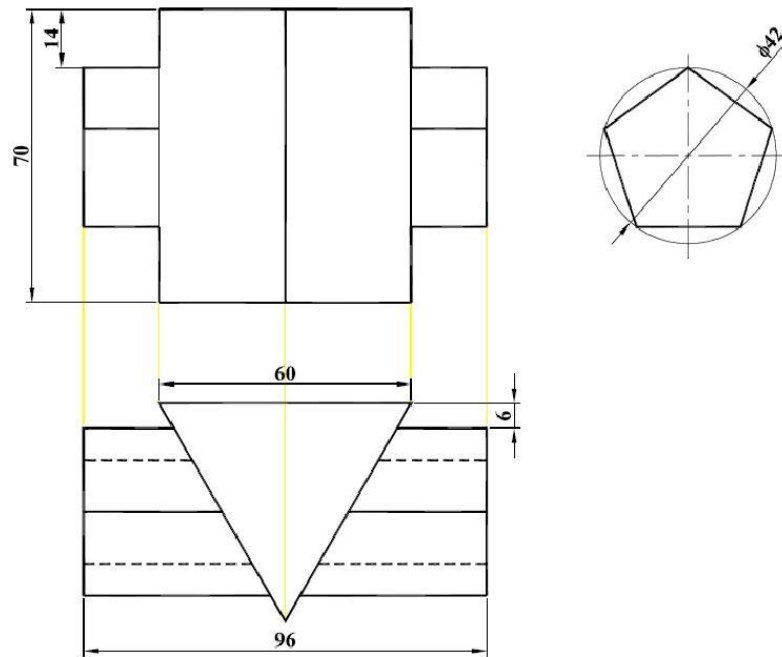
Figure 2

4. Draw total surface development of **figure 3**



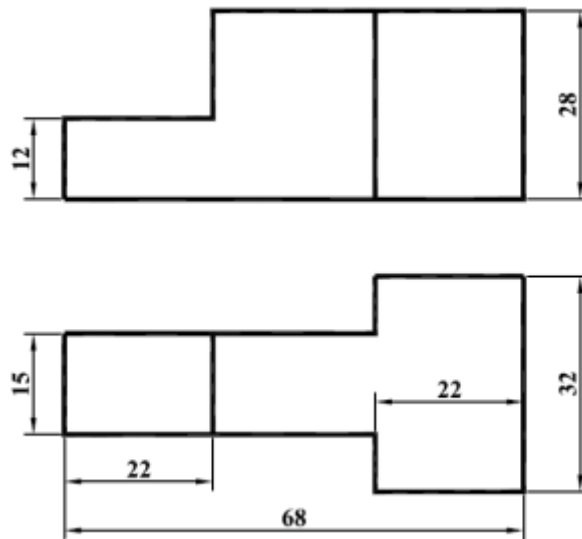
**Figure 3**

5. Draw the given views of assigned form and complete the intersection. Refer **Figure 4**.



**Figure 4**

6. Draw an Isometric drawing of the object with the following orthographic views.



**Figure 6**  
\*\*\* Best of Luck \*\*\*