

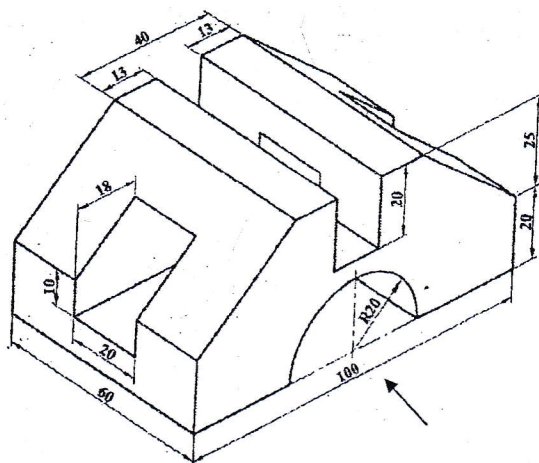
02 TRIBHUVAN UNIVERSITY  
INSTITUTE OF ENGINEERING  
**Examination Control Division**  
2072 Chaitra

Exam.	Regular		
Level	BE	Full Marks	40
Programme	All (Except B. Arch)	Pass Marks	16
Year / Part	1 / 1	Time	3 hrs.

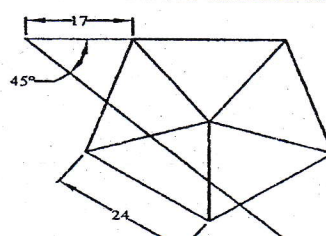
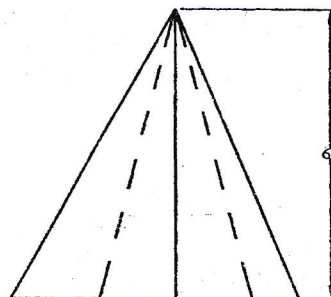
**Subject: - Engineering Drawing I (ME401)**

- ✓ 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 data if necessary.

1. Draw an involute of the regular hexagon having side length 15 mm. [4]
2. A square lamina ABCD of 30 mm side is perpendicular to VP and inclined to HP at  $45^\circ$ . Its side BC lies in HP. Draw its projection when the nearest side is 15 mm in front of VP. [5]
3. Draw the views of the objectives given in figure below with full sectional front view, full sectional side view and top view. Also dimension the views. [14]

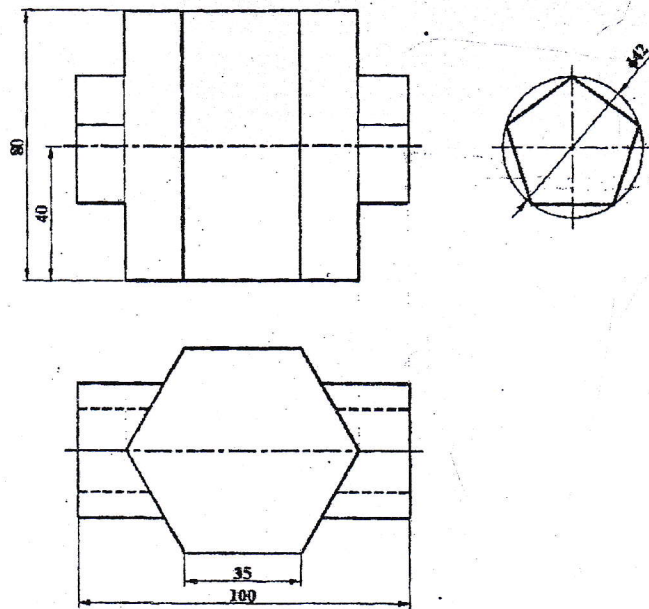


4. Complete orthographic views of the right solids shown in figure below cut by the plane. Find the true shape of the section. Then draw development of surface. [12]



5. Draw the intersection profile of intersecting solid objects in figure below.

[5]



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