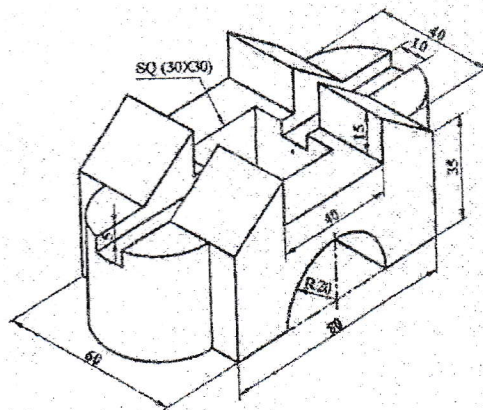


Exam.	Regular		
Level	BE	Full Marks	40
Programme	All (Except B.Arch)	Pass Marks	16
Year / Part	1 / 1	Time	3 hrs.

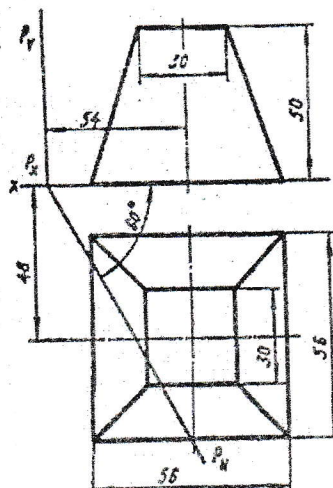
Subject: - Engineering Drawing I (ME401)

- ✓ 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. Construct an ellipse of major axis 120mm and minor axis 80mm. [3]
2. A regular hexagon ABCDEF of 25 mm side rests on one of its corner on the HP. Its plane is perpendicular to the VP and inclined to the HP at 30° . Draw its projections when its corner nearer to the VP is 15 mm in front of it. [5]
3. Draw orthographic projections with full sectional front view, side view and top view of pictorial drawing as shown in figure below. [14]



4. Make a complete orthographic drawing of a solid cut by a plane as shown in below figure. Find the true shape of the section. Construct the development of surfaces of the solid. [12]



5. Draw the lines of intersection of the surfaces of geometrical solids in below figure.

[6]

