| Exam.	New Back (2066 & Later Batch)		
Level	BE	Full Marks	40
Programme	ALL (Except B.Arch)	Pass Marks	16
Year / Part	I / I	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. The distances between the focii and between the vertices of a hyperbola are 100 mm and 60 mm respectively. Construct the hyperbola. [4]

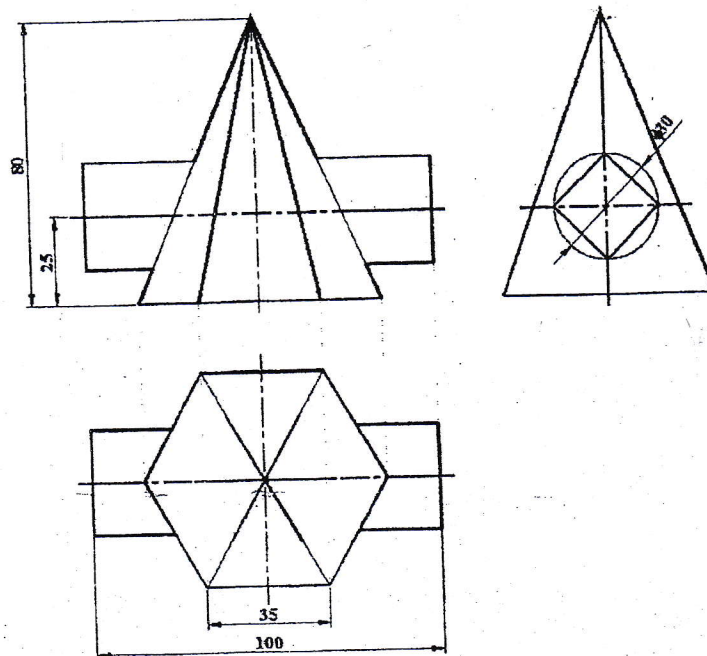2. Determine the true size of the angle formed by the planes ABC and BCD shown in figure below. [5]
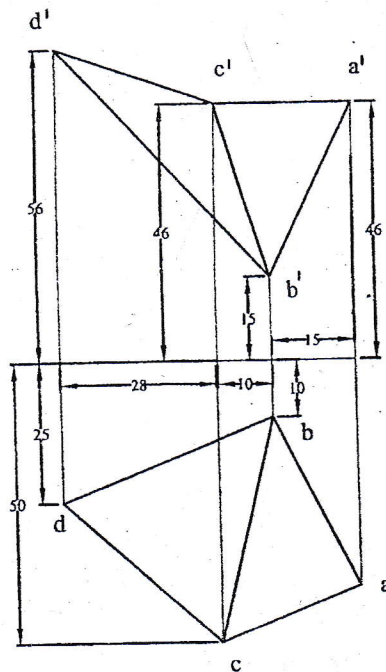
3. Draw orthographic projection with full sectional front view and full sectional side view of solid object shown in figure below. [14]
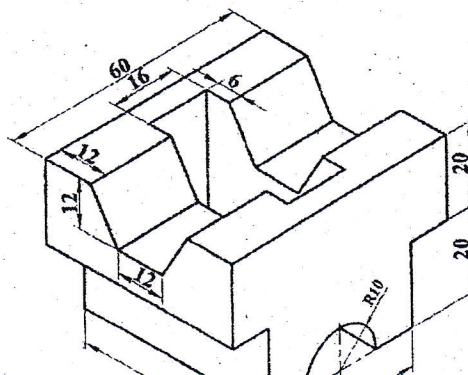
4. Make a complete orthographic drawing of the solid frustum cone cut by a plane as shown in given figure. Find the true shape of the section and draw the lateral surface development of the lower portion of the solid. [12]
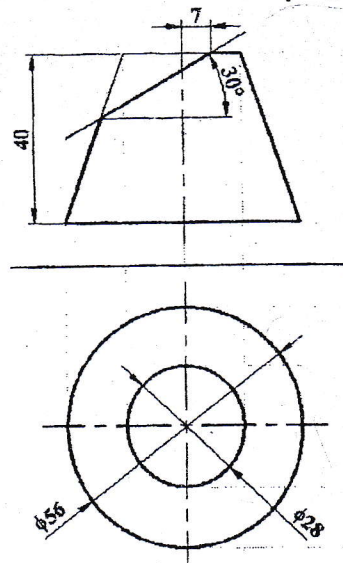
5. Draw the lines of intersection of the surfaces for given orthographic drawing in figure below. [5]

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