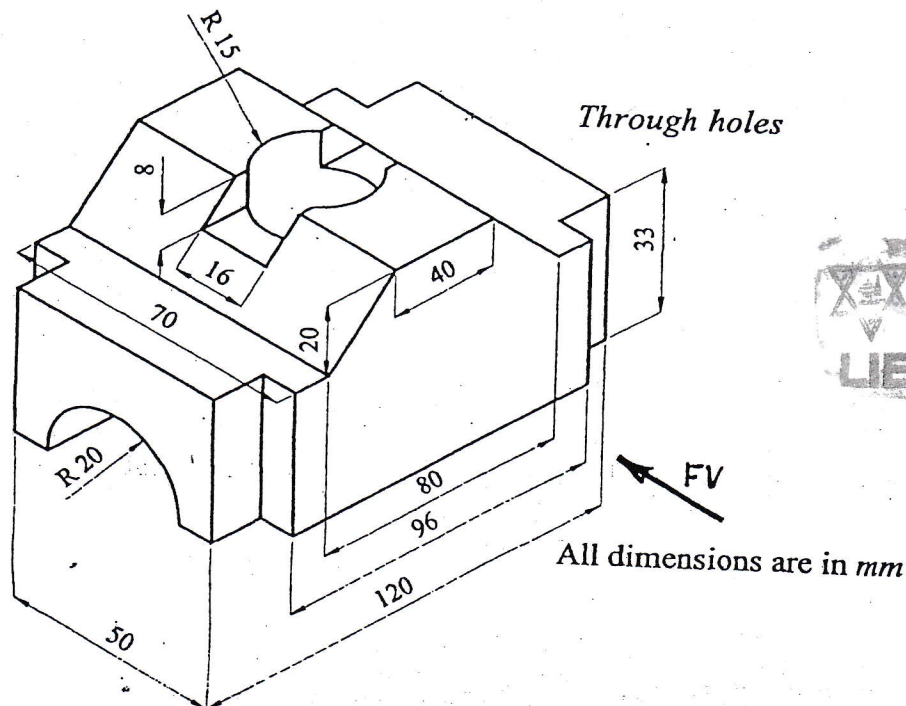


Exam.	New Back (2066 & Later Batch)		
Level	BE	Full Marks	40
Programme	All (Except B.Arch)	Pass Marks	16
Year / Part	1 / 1	Time	3 hrs.

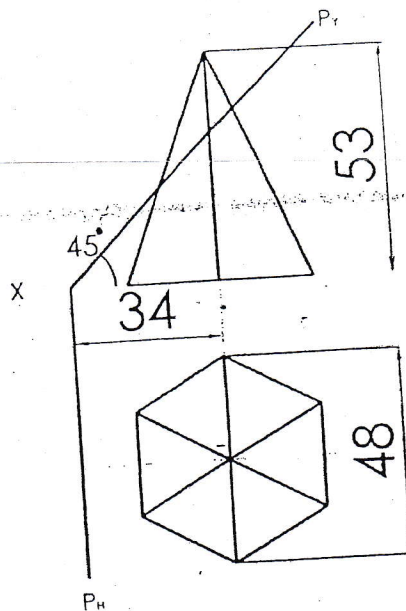
Subject: - Engineering Drawing I (ME401)

- ✓ 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 Archimedian's spiral curve of one convolution of diameter 120mm. [4]
2. Draw three orthographic projections of a rectangular lamina 60mm×40mm, which is parallel to H.P with one of its side inclined at 30 degree to V.P. The corner nearer to V.P is 25mm in front of V.P and 30mm above H.P. [5]
3. Pictorial view of an object is shown in figure below. Draw the views with sectional front view. [14]



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



5. Draw the common curve of intersection of a prism with a cylinder as shown in figure below. [5]

