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# VIT

**Vellore Institute of Technology**

(Deemed to be University under section 3 of UGC Act, 1956)

**SCHOOL OF MECHANICAL ENGINEERING**

**Fall Semester (2018-19), Final Assessment Test**

**Course Name : Engineering Drawing**

**Course Code : MEE1001**

**Duration : 90 minutes**

**Max. Marks : 50 Marks**

Reg. No:

Name:

Slot: L3-L4

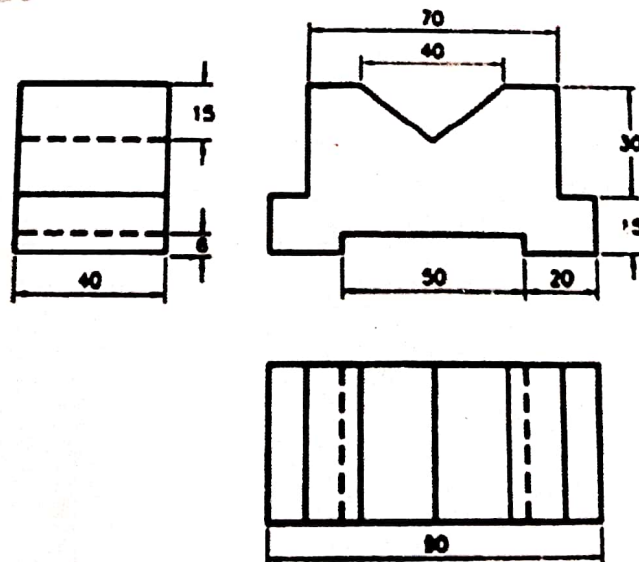
Faculty:

Class Nbr: VI2018191000947

Course Type: ELA

Answer all the Questions

1. A cone of base 35mm diameter and 55mm altitude rests with the base on HP. A section plane perpendicular to VP and inclined at  $30^\circ$  to HP bisects the axis of the cone. Draw the development of the lateral surface of the truncated cone. (20 marks)
2. Draw the isometric view of a machine component shown in fig.1. (15 marks)
3. A line AB measuring 80mm is inclined to an angle of  $30^\circ$  to HP and  $45^\circ$  to VP. The point A is 20mm above HP and 30mm in front of VP. Draw the projections of the straight line. (15 marks)



All dimensions are in "mm"