(The University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS

2012/2013

FIRST YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DIPLOMA

IN

CIVIL AND STRUCTURAL ENGINEERING

COURSE CODE: DCE 060

COURSE TITLE: ENGINEERING DRAWING 11

DATE: **TIME: 3 HOURS**

INSTRUCTIONS TO CANDIDATES

Attempt all the FOUR Questions

Question one (20 marks)

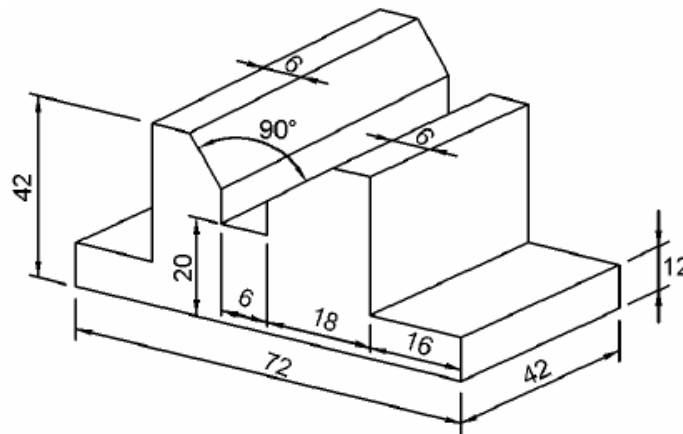Draw sectional front view, sectional side view and top view in full of a V-block shown in figure 1

Figure 1

Question two (20 marks)

A pentagonal pyramid, side 30 mm and height 60mm is resting on one of its base corners on H.P. with its axis inclined at 45° to H.P. Draw its projections using
i) Alteration of position of solids method
ii) Alteration of x-y line
Question three (20 marks)

A right cylinder of 30mm diameter and 35mm height is cut by a section plane inclined at 30° to H.P. and passes 18mm from the base along the axis. Draw the development of the truncated cylinder.

Question four (10 marks)
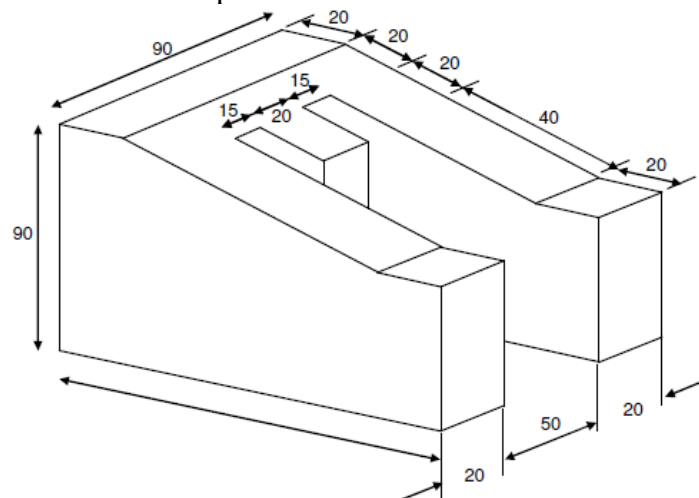
For figure 2 draw Front View and Top view

Figure 2