



MACHAKOS UNIVERSITY

University Examinations for 2015/2016 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

First Year Supplementary Examination for Diploma & craft in Electrical Engineering

EED110 & EPC112

ENGINEERING DRAWING II

Date:

Time:

Answer Question ONE and any other TWO from this question paper

Figure 1 shows an isometric view of a shaped block. Draw the block in first angle orthographic projection and dimension it fully. (10marks)

Figure 2 shows a pictorial view of a machine block. Copy the block Draw also an orthographic view of the same in Third angle orthographic projection – ignore all the small holes. (20 marks)

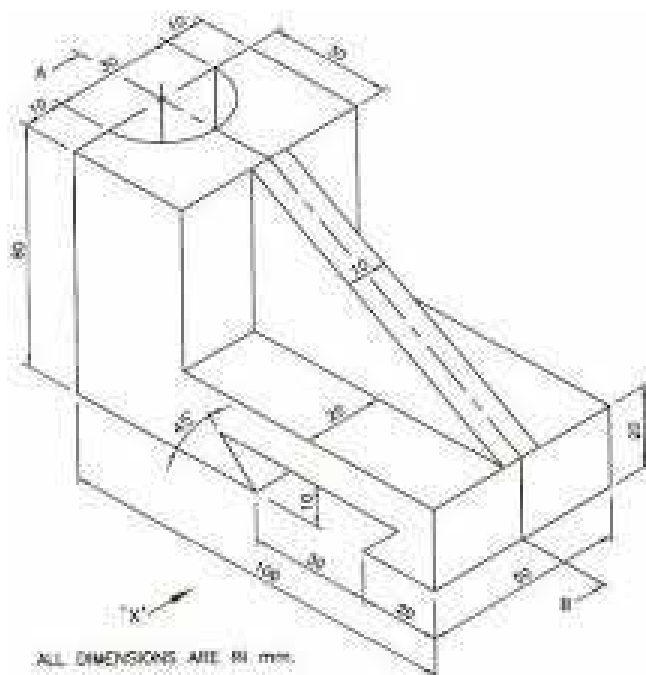


Figure 1

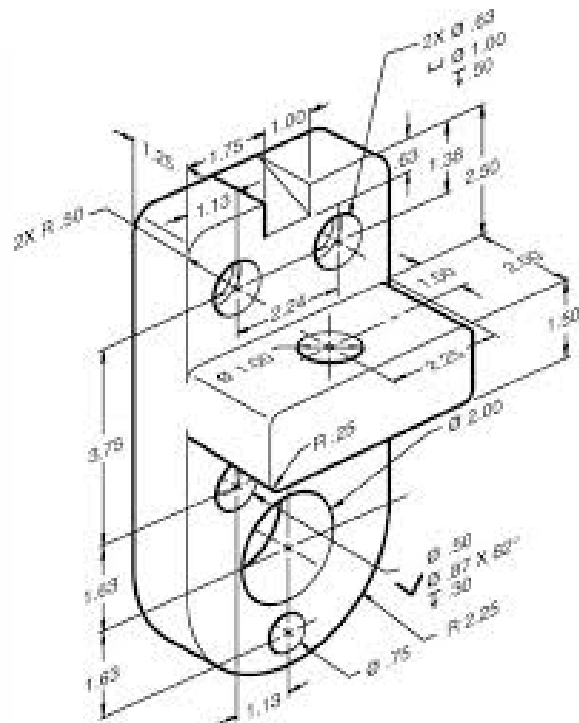


Figure 2

2a) Figure 3 shows the right cone cut obliquely and vertically. Copy the view and

- i) Complete the plan
- ii) Draw the surface development of the cone (12marks)

3 a) Construct a triangle PQR, given the perimeter is 135mm and the vertical height is

65mm. State the name of the triangle (4marks)

b) Use figure 4 to draw a) i) the true shape of the cut surface

ii) the development of the frustum (8marks)

4 Figure 5 shows the outline of three pulley wheels connected by a taught belt.

Draw the figure FULL SIZE showing clearly the construction for obtaining the points

of contact of the belt and the pulleys (12marks)