



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)
University Examinations for 2014/2015

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

SECOND SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL CONSTRUCTION DIPLOMA IN BUILDING TECHNOLOGY

BCECD 117: ENGINEERING DRAWING II

DATE: 10/4/2015

TIME: 8:30 – 10:30 AM

Instructions

- *Answer three of the following five questions*
 - *Question one is compulsory and carries 30 marks*
 - *Answer any other two questions*
1. A) Fig 1 show a block drawn in isometric projection. Draw its orthographic views in 3rd angle projection. (20 marks)
b) Fig 2 has been drawn in isometric projection. Copy the fig and indicate all dimensions. (10 marks)
 2. Fig.3 shows three views of a block. Draw an oblique view of the block as seen from direction A. (20 marks)
 3. Fig. 4 shows a block in pictorial form copy the figure in isometric projection and show all the dimensions. (20 marks)
 4. Draw fig. 5 in first angle projection. (20 marks)
 5. The fig. 6 shows the diagrammatic arrangement of a crank AB and two links BC and CD which are jointed at B and C. So that they can move in the same plane. A is a fixed axis about

which the crank AB rotates and D is a fixed point about which CD oscillates. Draw the locus of P for one revolution of BA. (20 marks)