



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

FIRST YEAR SECOND SEMESTER EXAMINATION FOR DIPLOMA IN CIVIL
ENGINEERING

BCECD 206 ENGINEERING DRAWING III

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
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COMPULSORY 30 MARKS

1. From fig. 1 draw the following:
 - i) The given elevations
 - ii) The complete sectional plan.
 - iii) True shape of the cut section
 - iv) The development of the frustum
 - v) The end elevation
2. From fig. 2 draw:
 - a) The given elevation
 - b) The sectional plan
 - c) True shape of the cut section
 - d) Auxiliary elevation viewed from the plan.

(20 marks)

3. From fig. 3 draw :
- a) The front elevation
 - b) The complete plan
 - c) The curve of intersection (20 marks)
4. The fig 4 shows a chimney resting on a roof. Draw
- a) The plan
 - b) The development of the flue (20 marks)
5. Fig. 5 shows two cylinders of unequal diameter that have been joined together. Draw:-
- a) The front elevation
 - b) The curve of intersection (20 marks)