



MACHAKOS UNIVERSITY

University Examinations 2016/2017

**SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BUILDING AND CIVIL ENGINEERING**

**SECOND YEAR FIRST SEMESTER EXAMINATION FOR CERTIFICATE IN
BUILDING CONSTRUCTION TECHNOLOGY**

BCE BT206: ENGINEERING DRAWING III

DATE: 3/8/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS

This paper comprises FIVE questions

Question ONE is compulsory and carries 30marks

Answer any other TWO questions.

QUESTION ONE (COMPULSORY) (30 MARKS)

From figure 1 draw the following;

- (a) The given elevation as shown
- (b) Plan in section
- (c) End elevation
- (d) Surface development of the frustum
- (d) True shape of cut section (30 marks)

QUESTION TWO (20 MARKS)

From figure 2 draw;

- i) the given elevation
- ii) Sectional plan
- iii) Surface development of the frustum (20 marks)

QUESTION THREE (20 MARKS)

From figure 3 draw;

- i) The given elevation
- ii) Surface development (20 marks)

QUESTION FOUR (20 MARKS)

From figure 4 below draw;

- i) The front elevation
- ii) Sectional plan
- iii) Surface development
- iv) The true shape of the cut section. (20 marks)

QUESTION FIVE (20 MARKS)

From figure 5, draw the following;

- i) The front elevation
- ii) The plan
- iii) Inter-penetration of the smaller and bigger cylinder. (20 marks)