



MACHAKOS UNIVERSITY COLLEGE

**(A Constituent College of Kenyatta University)
University Examinations for 2015/2016**

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

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

BCE BT 202: GENERAL BUILDING CONSTRUCTION 1

Date: 8/12/2015

Time: 2:00 – 4:00 PM

INSTRUCTIONS:-

- **This paper comprises of FIVE questions**
- **Question ONE is compulsory and carries 30 marks**
- **Answer any other TWO questions**

QUESTION ONE

- a) Briefly describe the evolution of the built environment. (5 marks)
- b) Describe the stages involved in site clearance. (4 marks)
- c) Explain the four stages involved in the building process. (8 marks)
- d) State four functional requirements of a good foundation (4 marks)
- e) Make a neat sketch of a well labeled timber corner profile board (5 marks)
- f) Name and make neat sketches of two forms of wall construction (4 marks)

QUESTION TWO

- a) Outline four functional requirements of ground floors. (10 marks)
- b) Explain the meaning of the term demolition and the steps to be undertaken before any demolition is carried out (10 marks)

QUESTION THREE

- a) With aid of neat sketches , differentiate between a door frame and a door lining (10 marks)
- b) Make a neat sketch of a window frame and name all the parts (10 marks)

QUESTION FOUR

- a) Briefly explain the activities involved in site clearance (10 marks)
- b) Explain two aims of setting out buildings (4 marks)
- c) Outline any three functions of a roof (6 marks)

QUESTION FIVE

Make neat sketches of the following types of single roofs:

- a) Lean to roof
- b) Couple roof
- c) Closed couple roofs
- d) Collar tie roof (20 marks)