



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)

University Examinations 2015/2016

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

FIRST SEMESTER EXAMINATION FOR CERTIFICATE IN BUILDING

CONSTRUCTION TECHNOLOGY

BCEBT 202: GENERAL BUILDING CONSTRUCTION I

Date: 18/4/2016

Time: 8:30 – 10:30 AM

INSTRUCTIONS

This paper consists of FIVE questions

Answer question one and other two questions in this paper

QUESTION ONE

- a) Briefly describe the evolution of 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 a 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 describe 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 roof
- d) Collar tie roof (20 marks)