



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 105: CONSTRUCTION MANAGEMENT I

Date: 1/12/2015

Time: 8:30 – 10:30 AM

INSTRUCTIONS:

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

QUESTION ONE

- a) Define the term workshop (2 marks)
- b) Outline FOUR factors to consider when selecting a workshop or site. (8 marks)
- c) State FIVE essential services of a workshop. (10 marks)
- d) With aid of neat sketches explain the following as applies to documentation of materials.
 - i) Order
 - ii) Invoice (10 marks)

QUESTION TWO

- a) Outline FIVE local authority requirements to be met before a workshop becomes operational (10 marks)
- b) Outline TEN regulations governing a workshop as far as safety is concerned. (10 marks)

QUESTION THREE

Make a neat sketch of a masonry workshop layout showing a good order of the arrangement of the machines. (20 marks)

QUESTION FOUR

- a) Outline and briefly explain THREE principles to apply when buying materials. (9 marks)
- b) Briefly explain how the following materials can be stored:-
 - i) Cement
 - ii) Bricks or blocks
 - iii) Timber
 - iv) Roof tiles (11 marks)

QUESTION FIVE

With aid of neat sketches, briefly explain the following as applies in materials

- i) Delivery note
- ii) Materials transfer note
- iii) Materials return note
- iv) Materials received note (20 marks)