



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)
Faculty of Engineering and Technology

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

Institutional Based Program

UNIVERSITY EXAMINATION FOR BACHELOR OF SCIENCE IN
BUILDING & CIVIL ENGINEERING

EBC 4322: QUANTITY SURVEYING I

END OF SEMESTER EXAMINATION

SERIES: APRIL 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*
- *Standard Method of Measurement for building work*

This paper consists of **FIVE** questions in **TWO** sections **I & II**

Answer question **ONE (Compulsory)** and any other **TWO** questions

Maximum marks for each part of a question are clearly shown

This paper consists of **TWO** printed pages

SECTION I (Compulsory)

Question 1

- a) (i) Name **FIVE** contract documents used in building and civil engineering projects
- (ii) Describe **FIVE** conditions that must be met for a contract to be valid (10 marks)
- b) Briefly describe the following types of contracts used in building and civil engineering works:-
- (i) Bills of quantities contracts
 - (ii) Cost plus percentage fee contracts
 - (iii) Schedule contracts
 - (iv) All-in contracts (15 marks)
- c) Explain what 'day works' are as used in work measurements (5 marks)

SECTION II (Answer any TWO questions)

Question 2

Take off all the quantities for the external works shown in drawing number 01 (20 marks)

Question 3

Take off all the substructure work shown in drawing number 02 (20 marks)

Question 4

Take off all the quantities the flush door shown in drawing number 03 (20 marks)

Question 5

Take off all the quantities for the underground tank shown in drawing number 04 (20 marks)