



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

CONSTRUCTION TECHNICIAN PART II

EBC 1110: MEASUREMENTS OF BUILDING WORKS II

END OF SEMESTER EXAMINATION

SERIES: AUGUST 2012

TIME: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*
- *Pocket Calculator*
- *Dimension Papers*
- *A Copy of the Standard Method of Measurements for Building Works*

This paper consists of **FIVE** questions into **TWO** sections **A & B**
Answer question **ONE (COMPULSORY)** in section **A** plus any other **TWO** from section **B**
Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages
SECTION A (COMPULSORY)

Question One

Take off all quantities for the drainage works shown in Drawing No. 01 Briefly describe the following

SECTION B (Attempt any TWO questions)

Question Two

Take off all quantities for the door shown in Drawing No. 02.

Question Three

Take off all quantities for the finishes shown in Drawing No. 03

Question Four

Take off all quantities for the roof shown in drawing No. 04.

Question Five

- a) Briefly describe the following types of contracts:
 - i) Schedule contracts
 - ii) Target contracts
 - iii) Lump sum contracts** **(12 marks)**

- b) Describe the following processes of Bill preparation.
 - i) Taking off
 - ii) Abstracting
 - iii) Billing **(9 marks)**

- c) Define the following terms as used in measurements.
 - i) Tender sum
 - ii) Contract sum
 - iii) Contingency sum
 - iv) Provisional sum **(9 marks)**