THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

((A Constituent College of JKUAT)
(A Centre of Excellence)

Faculty of Engineering &Technology in Conjunction with Kenya Institute of Highways and Building & Technology (KIHBT)

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

HIGHER DIPLOMA IN BUILDING & CIVIL ENGINEERING

EBE 3210: BUILDING ECONOMICS I

END OF SEMESTER EXAMINATION
SERIES: AUGUST 2012
TIME: 2 HOURS

Instructions to Candidates:
You should have the following for this examination
- *Answer Booklet*
- *The Sum of Building Works and Civil Engineering (2008 Edition)*

This paper consists of **FIVE** questions in **TWO** sections **A & B**
Answer question **ONE** and any other **TWO** questions

Maximum marks for each part of a question are as shown
This paper consists of **TWO** printed pages
SECTION A (COMPULSORY – 40 MARKS)

Question One (40 Marks)

Take off all the substructure works shown on drawing No.MP/01/D

SECTION B (Attempt any TWO questions from this section)

Question Two (20 marks)

Take off all quantities for the match boarded door shown on drawing on VIIEXII, and make the necessary adjustments for the door opening.

Question Three (30 marks)

Take off all quantities for the roof structure shown on drawing No.MP/03/D

Question Four (30 marks)

a) Explain the significance of the S.M.M, in measurement of building works.   **(8 marks)**

b) With the aid of appropriate examples explain the following terms as applied in measurement.
    i)   Deemed to the included items
    ii) Extra over items
    iii) Spot items
    iv) Prime cost sums   **(16 marks)**

c) Explain the term variation and state **FOUR** methods of valuing variation works.   **(6 marks)**

Question Five (30 marks)

Take off all quantities for the plumbing installation work shown on drawing S/05/12D