



TECHNICAL UNIVERSITY OF MOMBASA

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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

HIGHER DIPLOMA IN CONSTRUCTION (BUILDING ECONOMICS OPTION)

EBE 3310: BUILDING ECONOMICS II

END OF SEMESTER EXAMINATION

SERIES: APRIL 2015

TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*
- *S.M.M – for Building Works and Related Works,*
- *Dimension papers - 4D*

This paper consists of **FIVE** questions. Answer question **ONE (Compulsory)** and any other **TWO** questions
Maximum marks for each part of a question are as shown
Use neat, large and well labeled diagrams where required
This paper consists of **TWO** printed pages

Question One (Compulsory - 40 marks)

Take off all substructure quantities for the proposed workshop, as shown on drawing BE/01/Y2

Question Two (30 marks)

Take off all quantities for the water reservoir shown on drawing No. BE/02/Y2

Question Three (30 marks)

Take off all quantities of the panel door shown on drawing No. BE/03/Y2, and make the necessary adjustments for the door opening.

Question Four

a) Explain the following aspects as applied in quantity surveying:

(i) Fluctuations

(ii) Costs in use

(iii) Arbitration

marks)

(12

b) Explain the term variations and outline the various methods used in the valuation of variations

(8 marks)

Question Five

Take off all quantities for the concrete flat roof shown on drawing No. BE/05/Y2, including rainwater drainage system for the roof.