



TECHNICAL UNIVERSITY OF MOMBASA
**Faculty of Engineering &
Technology**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN ARCHITECTURE (DA)

EBC 2225: MEASUREMENT OF BUILDING & CIVIL ENG WORKS

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 2014

TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*
- *Pocket Calculator*

This paper consists of **FIVE** questions.

Answer any **THREE** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One

Take off all the quantities for the drawing No. 01 attached up to sub-structures **(20 marks)**

Question Two

- a) State **FIVE** roles of the Quantity surveyor at each of the following stages:
- (i) Pre-construction stages
 - (ii) Construction stages
 - (iii) Post Construction stage
- (15 marks)**
- b) State **FIVE** contents of the Bills of Quantities **(5 marks)**

Question Three

- a) Explain the term ‘Elements Bill’
- b) Outline **THREE** general rules of abstracting
- c) Briefly explain the following monies as used in the Bills of Quantities
- (i) Provisional sum
 - (ii) Prime cost sum
 - (iii) Contingency sum
- (9 marks)**

Question Four

Take off all quantities for the drawing No. 02 attached **(20 marks)**

Question Five

- a) Briefly describe the “Tendering Process” **(5 marks)**
- b) Using illustration, where possible explain the traditional method of preparation of the Bills of Quantities **(15 marks)**