



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

CERTIFICATE IN BUILDING (CTI)

EBC 1303: QUANTITY SURVEYING I

END OF SEMESTER EXAMINATION

SERIES: APRIL 2013

TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*
- *Pocket Calculator*
- *Standard Method of Measurement for Building Works*

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

- a) Take off all quantities for drawing No. A06 attached. **(20 marks)**

Question Two

- a) State **TWO** advantages and **TWO** disadvantages of the standard form of contract. **(6 marks)**
- b) Describe what is meant by the “Defects Liability Period” **(4 marks)**
- c) Briefly state and explain **THREE** factors that affect progress of work. **(6 marks)**
- d) Describe the term “PRELIMINARIES” as used in the bills of quantities, giving **TWO** examples. **(4 marks)**

Question Three

- a) Take off all quantities for drawing No. 10 attached up to sub-structures. **(20 marks)**

Question Four

- a) Briefly explain the following sum as allowed for in the Bills of Quantities. **(9 marks)**
- (i) Prime cost sum
 - (ii) Contingencies sum
 - (iii) Provisional sum
- b) Illustrate the following operations used in “taking off”
- (i) Grouping descriptions
 - (ii) Grouping dimensions
 - (iii) Deducting a void 1.2m x 2.8m in an area of concrete slab 8.0m x 12.6m x 150mm thick.
 - (iv) Attenuation of dimensions **(8 marks)**
- c) State **THREE** purposes of the Bills of Quantities **(3 marks)**

Question Five

- a) Briefly define the term “contract” **(2 marks)**
- b) Describe the “Lumpsome” contract. **(6 marks)**
- c) Briefly explain **THREE** causes of changes in contract duration and sum. **(6 marks)**
- d) Explain why “cost plus percentage” contracts are not preferred in the public sector. **(6 marks)**