



TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBC 12S)
DIPLOMA IN ARCHITECTURE (DA 12S)

EBC 2313: MEASUREMENT OF BUILDING WORKS 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

Take off all quantities for the basement as per drawing No. 01 **(20 marks)**

Question Two

a) Briefly describe the following types of tendering giving **THREE** advantages and **THREE** disadvantages of each:

(i) Open tendering

(ii) Selective tendering

(10 marks)

b) Illustrate the use of the following when taking off:

(i) Group description

(ii) Grouping dimensions

(6 marks)

c) State **FOUR** purposes of the Bills of Quantities

(4 marks)

Question Three

a) Briefly define the following terms:

(i) Provisional sum

(ii) Prime cost sum

(iii) Contingency sum

(9 marks)

b) Explain “working up” as used in the preparation of Bills of Quantities.

(6 marks)

c) Briefly describe the term “tender”

(5 marks)

Question Four

Take off all Quantities for the drawing No. 03 attached up to sub-structure level.

(20 marks)

Question Five

a) State **FIVE** roles of the Quantity Surveyor in each of the following stages.

(i) Pre-construction

(ii) Construction

(iii) Post construction stage

(15 marks)

b) Define the term “preambles”

(5 marks)