



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN BUILDING & CIVIL ENGINEERING

EBC 2305: MEASUREMENT OF BUILDING WORKS

**END OF SEMESTER EXAMINATION**

**SERIES: APRIL 2015**

**TIME ALLOWED: 2 HOURS**

**Instructions to Candidates:**

You should have the following for this examination

- *Answer Booklet*
- *Pocket Calculator*
- *S.M.M for Building Works*

This paper consists of **FIVE** questions. Answer any **THREE** questions of the **FIVE** 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**

Take off all quantities for the substructure works shown in drawing No. 01 **(20 marks)**

**Question Two**

Take off all quantities for the substructure works shown in drawing No. 02 **(20 marks)**

**Question Three**

Take off all quantities for the finishes shown in drawing No. 03 **(20 marks)**

**Question Four**

a) Briefly describe the following types of tendering:

- (i) Open
- (ii) Selective
- (iii) Specialist
- (iv) All-in contract

**(10 marks)**

b) Describe the following contract documents:

- (i) Bills of quantities
- (ii) Contract drawing
- (iii) Specifications
- (iv) Contract agreement form

**(10 marks)**

**Question Five**

a) Outline the use of the dimension paper describing the use of all its columns **(8 marks)**

b) Describe the following processes on the dimension paper:

- (i) Dotting on
- (ii) Nilling
- (iii) Squaring

**(6**

**marks)**

c) State SIX roles of the Quantity Surveyor in a project **(6 marks)**