

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN BUILDING & CIVIL ENGINEERING DIPLOMA IN ARCHITECTURE

EBC 2209: MEASUREMENT OF BUILDING WORKS I

SPECIAL/SUPPLEMENTARY EXAMINATION SERIES: OCTOBER/NOVEMBER 2013 TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- Answer Booklet
- Pocket Calculator
- Standard Methods 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)	Illustrate the use of dimension paper	(8 marks)
b)	With the aid of a sketch, briefly how the following: (i) Adjustment of voids (ii) Querry sheet (iii) Grouping descriptions	(6 marks)
c)	Briefly explain the term "preliminary" as used in Quantity Surveying giving THREE	,
Question Two		
Tal	ke off all quantities for the drawing No 01/13 attached.	(20 marks)
Qu	nestion Three	
a)	State SIX contents of a the Bills of Quantities	(3 marks)
b)	Outline FIVE function of the Bills of Quantities	(2 marks)
c)	State and explain THREE payment certificates used in civil engineering	(6 marks)
d)	State THREE roles of the Quantity Surveyor in each of the following stages: (i) Pre-construction (ii) Construction (iii) Post Construction	(9 marks)
Question Four		
a)	Describe the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving TWO advantages and TWO disactions are the following methods of tendering giving the following methods of the following methods of the following methods are the following methods of the following methods are the following methods of the following methods are the following methods are the following methods of the following methods are the fo	lvantages:
	(i) Open tendering(ii) Selective tendering	(8 marks)
b)	Explain the "lump some contract" giving THREE advantages and THREE disadvanta	_
c)	The following monies are provided for in the Bills of Quantities. Explain the purpose (i) Prime cost sum (ii) Provisional sum	
	(iii) Contingency sum	(6 marks)
Question Five		
Take off all quantities for the drawing No. 02/13 attached (20 marks)		