

## THE TECHICAL UNIVERSITY OF MOMBASA Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

**CERTIFICATE IN BUILDING & CIVIL ENGINEERING (DBC 12S)** 

EBC 1107: BUILDING TECHNOLOGY I

SPECIAL/SUPPLEMENTARY EXAMINATION SERIES: FEBRUARY 2013 TIME: 2 HOURS

Instructions to Candidates: You should have the following for this examination - Answer Booklet

- Scientific Calculator This paper consists of <b>FIVE</b> questions. Answer any <b>THREE</b> questions Maximum marks for each part of a question are as shown This paper consists of <b>THREE</b> printed pages <b>Question One</b>			
a)	Define (i) (ii) (iii) (iv) (v)	the following terms: Plastering Curing Mortar Concrete Form work	(10 marks)
b)	Sketch	and label the parts of a solid ground floor.	(10 marks)
Question Two			
a)	Explain (i) (ii) (iii)	n the roles of the following in a construction industry. Architect Structural engineer Quantity surveyor	(10 marks)
b)	Sketch (i) (ii) (iii) (iv)	and label the parts of the following: Flint wall Reinforced monolithic wall Cavity wall Rubble wall	(10 marks)
Question Three			
a)	With th (i) (ii) (iii) (iv)	1	(10 marks)
b)	With th	he aid of sketches, outline the importance of bounding in wall construction.	(10 marks)
Question Four			
a)	a) Outline the history of building in relation to human creation. (1		(10 marks)
b)	Differe (i) (ii) (iii) (iv) (v)	entiate the following: Plastering from Rendering Jointing from Pointing Mortar from Concrete Inception from Conception Blocks from Bricks	(10 marks)

## **Question Five**

- a) Explain **FIVE** factors to consider when selection floor finishers. (10 marks)
- b) (i) Sketch a plan of a rectangular building and indicate the positions of profile boards.
  - (ii) Sketch and label the parts of a corner profile board. (10 marks)