



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
CONSTRUCTION TECHNICIAN PART III

EBC 1301: SITE ORGANIZATION

SPECIAL/SUPPLEMENTARY EXAMINATION

SERIES: OCTOBER 2013

TIME ALLOWED: 2 HOURS

subjective

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

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) List any **THREE** types of tendering methods and briefly describe each giving **THREE** advantages and **THREE** disadvantages of each **(6 marks)**
- b) Briefly outline any **FOUR** relations that exist in any organization structure **(8 marks)**
- c) Briefly describe matrix organization structure and highlight **THREE** advantages and **THREE** disadvantages of it. **(6 marks)**

Question Two

For the following parties, describe **FOUR** duties and responsibilities of each in the building process:

- (i) Client
- (ii) Architect
- (iii) Quantity Surveyor
- (iv) Builder
- (v) Site Agent **(20 marks)**

Question Three

- a) Briefly explain any **FIVE** contract documents commonly used in the construction industry **(10 marks)**
- b) List the **THREE** types of contractors and briefly describe each as used in the construction industry **(10 marks)**

Question Four

- a) Hierarchical Organization structure has been commonly used in the construction industry, highlight any **FOUR** advantages and **FOUR** disadvantages of using this kind of structure. **(8 marks)**
- b) Define:
 - (i) Team spirit
 - (ii) Motivation **(8 marks)**
- c) Span of control is essential in any organization, list any **FOUR** observations that will be noted as a result of wide and tall spans in the organization structures **(4 marks)**
- d) Highlight any **FOUR** roles of a site agent in the construction industry **(4 marks)**

Question Five

- a) Using suitable sketches, differentiate between shallow and deeper (military) organizations structures **(6 marks)**
- b) Define:
 - (i) Organization

- (ii) Span of Control (4 marks)
- c) Briefly explain any FIVE types of contracts commonly used in the construction industry. (10 marks)