



TECHNICAL UNIVERSITY OF MOMBASA

# Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

**UNIVERSITY EXAMINATION FOR:**  
CERTIFICATE IN BUILDING & CIVIL ENGINEERING (CBCE 13M)

**EBC 1103: CONSTRUCTION MANAGEMENT I**

**SPECIAL/SUPPLEMENTARY EXAMINATIONS**

**SERIES: AUGUST 2016**

**TIME ALLOWED: 2 HOURS**

**DATE: 30AUG2016**

**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 **THREE** printed pages

### Question One

Outline the chore roles/responsibilities of each of the following parties in the construction industry giving FIVE duties for each:

- (i) Client
  - (ii) Architect
  - (iii) Quantity surveyor
  - (iv) Clerk of works
- (20 marks)**

### Question Two

- a) Highlight the THREE merits and THREE demerits of using hierarchical organization structure. **(12 marks)**
- b) The following abbreviations are some of the professional bodies connected to construction work in Kenya. Outline their meaning:
- (i) N.E.M.A
  - (ii) B.O.R.A.Q.S
  - (iii) A.A.K
  - (iv) N.C.A
  - (v) I.S.E
- (3 marks)**
- c) List the THREE types of tendering methods used in the construction industry. **(3 marks)**

### Question Three

- a) Briefly discuss any FIVE contract documents used in the construction industry, their uses in any construction project. **(10 marks)**
- b) Differentiate:
- (i) Division of labour and specialization
  - (ii) Chain of command and span of control
- (8 marks)**
- c) Define a contract. **(2 marks)**

### Question Four

- a) Briefly discuss any FIVE documents used in the procurement of construction materials, highlighting the sender and the receiver of each document. **(10 marks)**
- b) List any SIX construction contracts which are currently used in the construction industry. **(6 marks)**
- c) State EIGHT ideal characteristics of a leader. **(4 marks)**

### Question Five

- a) Give THREE advantages and THREE disadvantages of using tall structures in any organization. **(6 marks)**
- b) Briefly highlight TEN general rules/principles applied in disciplining anyone at the work place. **(5 marks)**

- c) List the FOUR relationships which exist in any organization structure or span of control. **(4 marks)**
- d) Give FIVE dominant reasons as to why we should use an open type of tendering other than selective mode of tendering. **(5 marks)**