



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBCE)

EBC 2108: CONSTRUCTION MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2014
TIME ALLOWED: 2 HOURS

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

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

All questions carry equal marks

Maximum marks for each part of a question are as shown

Use neat, large and well labeled diagrams where required
This paper consists of **THREE** printed pages

Question One

- a) List FOUR differences between Building Works and Civil Engineering Works. **(4 marks)**
- b) Describe briefly the following principles of organization:
(i) Unity of objectives
(ii) Specialization
(iii) Coordination
(iv) Authority
(v) Responsibility **(10 marks)**
- c) Explain THREE measures taken to minimize theft of materials on a construction site. **(6 marks)**

Question Two

- a) Briefly describe THREE types of contractors in the construction industry **(6 marks)**
- b) State FOUR construction professional bodies and state TWO duties for each **(12 marks)**
- c) Briefly explain the term sub-contractor. **(2 marks)**

Question Three

- a) Outline the duties of the following parties in the construction industry. **(8 marks)**
(i) Client
(ii) Structural Engineer
(iii) Suppliers
(iv) Tradesmen
- b) Define construction management and state its TWO objectives. **(4 marks)**
- c) State any FIVE principles of management **(5 marks)**
- d) State the role of the following in an organization:
(i) Motto
(ii) Vision
(iii) Mission **(3 marks)**

Question Four

- a) Name and explain FIVE fundamentals of motivation **(10 marks)**
- b) Name and explain THREE fundamentals of discipline **(6 marks)**
- c) Briefly explain the following as applied in construction management:
(i) Bar charts

(ii) Critical path network

(4 marks)

Question Five

a) Outline any THREE contract documents.

(6 marks)

b) Briefly explain the following types of contracts:

(i) Package deal contract

(ii) Cost reimbursement contract

(iii) Target contract

marks)

(9

c) (i) State any TWO amenities necessary on a construction site.

(2 marks)

(ii) State THREE reasons for fencing a construction site

(3 marks)