TECHNICAL UNIVERSITY OF MOMBASA

Faculty of Engineering & Technology

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBC 10B)
DIPLOMA IN ARCHITECTURE (DA 10B)

EBC 2304: CONSTRUCTION MANAGEMENT I

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

<u>**Instructions to Candidates:**</u>
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) Outline **FIVE** economic factors that influence the extent of activities in the construction industry.
(5 marks)

b) Define "scope of a project" and briefly explain the **TWO** types of scope in the construction industry.
(5 marks)

c) Briefly explain **FIVE** types of contractors.   (10 marks)

Question Two

a) Explain the roles of the following in the client and building team.
    (i)   The client
    (ii)   The consulting engineers
    (iii)   The clerks of works
    (iv)   The quantity surveyors
    (v)   The sub-contractors
    (vi)   The local authority building inspectors   (12 marks)

b) Highlight **FOUR** types of tendering.   (4 marks)

c) State **TWO** advantages of open tendering.   (4 marks)

Question Three

a) Define "span of control' and explain the two types of span of control.   (6 marks)

b) Highlight **FOUR** qualities of a good leader   (4 marks)

c) Explain the different ways in which employees can be motivated in organization.   (10 marks)

Question Four

a) Define "Management" and briefly explain **FIVE** functions of management.   (10 marks)

b) Explain the principles of an organization.   (10 marks)

Question Five

a) Highlight **FOUR** advantages of a line organizational structure.   (4 marks)

b) Using a flow diagram illustrate how communication takes place in a line organizational structure.
(6 marks)

c) Using relevant sketches, briefly explain the importance of construction program (Guatt Chart)
(10 marks)