



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

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) 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)**

