



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

DEPARTMENT OF BUILDING & CIVIL ENGINEERING
DIPLOMA IN BUILDING & CIVIL ENGINEERING (DBCE 12J)

EBC 2307: CONSTRUCTION MANAGEMENT

END OF SEMESTER EXAMINATION

SERIES: APRIL 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
This paper consists of **TWO** printed pages

Question One

- a) Briefly explain FIVE principles of management. **(10 marks)**
- b) Explain FIVE steps in critical path method as a project scheduling technique. **(10 marks)**

Question Two

- a) Highlight FIVE stages involved in organizing as a function of management. **(5 marks)**
- b) State the principle of one boss and highlight FOUR reasons why a subordinate should not receive instruction from more than one boss. **(5 marks)**
- c) Highlight SIX features of a wide span of control. **(6 marks)**

Question Three

- a) Draw the structure of a flat organization and highlight FIVE disadvantages of flat organization. **(10 marks)**
- b) Define scheduling and outline FOUR reasons for project scheduling. **(5 marks)**
- c) Outline FIVE qualities of a good leader. **(5 marks)**

Question Four

- a) Highlight FIVE advantages of network diagrams. **(5 marks)**
- b) Outline FOUR factors affecting the optimum size of a construction firm. **(8 marks)**
- c) Briefly discuss the role of an architect in the building team. **(5 marks)**
- d) Define an activity **(2 marks)**

Question Five

- a) Briefly explain FIVE ways of motivating employees. **(10 marks)**
- b) Fill the table below:

Activity	ES	LS	EF	LF	FLOAT
A	0			7	5
B	0		3		0
C	3	3		7	
D		7	10		0
E	3		11	16	
F	7		12		4

G		10	16	16	
H	16	16		20	