



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

**Faculty of Engineering &
Technology in Conjunction with
Kenya Institute of Highways and
Building & Technology (KIHBT)**

DEPARTMENT OF BUILDING & CIVIL ENGINEERING

**HIGHER DIPLOMA IN BUILDING & CIVIL ENGINEERING
(BUILDING SERVICES OPTION)**

EBE 3110: SITE ORGANIZATION II

END OF SEMESTER EXAMINATION

SERIES: DECEMBER 2012

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 **THREE** printed pages

Question One (20 marks)

- a) (i) Define contract “planning” as applied to site organization. (2 marks)
- (ii) Briefly describe **THREE** main classification of construction works. (6 marks)
- (iii) Briefly describe **THREE** major influences in job planning during construction planning. (6 marks)
- b) (i) State **FOUR** major steps in pre-tender planning. (2 marks)
- (ii) Define scheduling. (2 marks)
- (iii) State **FOUR** major aim of scheduling. (2 marks)

Question Two (20 marks)

- a) (i) State **TWO** types of lines authority in a line and staff relationship. (1 mark)
- (ii) Briefly explain major influences in the operation of a company due to these types of authorities in Q2(a) (i) (4 marks)
- b) (i) Briefly explain with relevant examples, **FOUR** advantages of line and staff organization. (8 marks)
- (ii) State **FIVE** aims of scheduling. (5 marks)
- c) (i) State **TWO** techniques used in scheduling. (1 mark)
- (ii) State **ONE** major advantage of this technique in Q2 (c) (iv) (1 mark)

Question Three (20 marks)

- a) (i) State **FOUR** professionals involved in a construction project. (2 marks)
- (ii) State **FOUR** duties and responsibilities for any party involved in a construction contract. (2 marks)
- b) Briefly discuss the merits of a shallow organization structure. (5 marks)
- c) (i) Define a span of control. (2 marks)
- (ii) Briefly explain **THREE** factors that influence span of control. (6 marks)
- (iii) State **SIX** types of specialists contractors in the construction industry. (3 marks)

Question Four (20 marks)

- a) (i) State **THREE** advantages of narrow span of control. (3 marks)
- (ii) Define chain of command. (2 marks)

(iii) State **THREE** disadvantages of (deep military) organization structure. **(3 marks)**

b) (i) Briefly state importance of the pre-tender Health and Safety plan. **(5 marks)**

(ii) State **FOUR** contexts of the pre-tender health and safety plan. **(2 marks)**

c) State **FIVE** differences between authority and responsibility. **(5 marks)**

Question Five (20 marks)

a) (i) Define decentralization

(ii) State **THREE** differences between decentralization and delegation. **(8 marks)**

b) (i) Briefly explain any **THREE** principles of delegation

(ii) Briefly with relevant examples, explain differences between functional organization structure and deep (military) organization structure.

(iii) State **THREE** importance of delegation. **(12 marks)**