

2306/306
CONSTRUCTION MANAGEMENT
Oct./Nov. 2011
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN QUANTITY SURVEYING

CONSTRUCTION MANAGEMENT

3 hours

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination:

Answer booklet.

Answer any FIVE of the following EIGHT questions.

All questions carry equal marks.

Maximum marks for each part of a question are as shown.

This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

1. (a) Using a suitable example in each case, outline four points for each to show the difference between a small contractor and a large contractor. (10 marks)
- (b) Explain the function of the following bodies in the construction industry;
- (i) The Architectural Association of Kenya;
 - (ii) Local Authority;
 - (iii) Kenya Bureau of Standards;
 - (iv) Factory inspector.
- (10 marks)
2. (a) State any **four** factors under each of the following headings that may affect motivation of an employee on a construction firm
- (i) Company environment;
 - (ii) Internal human pressures.
- (4 marks)
- (b) Explain the term organization and give **two** examples. (4 marks)
- (c) Using sketches, explain the following types of organization structure:-
- (i) line;
 - (ii) line and staff;
 - (iii) functional.
- (12 marks)
3. (a) Outline the benefits of each of the following qualities of a good leader in the construction industry.
- (i) self confidence;
 - (ii) technically skillful;
 - (iii) tactful;
 - (iv) fairness.
- (10 marks)

- (b) It is a construction firm's policy that any employee caught stealing from the firm will be dismissed forthwith. Manyuanda an employee of the firm was caught red-handed stealing a dumpy level. Outline the procedure of disciplining Manyuanda. (10 marks)
4. (a) Describe method statement as used in pre-tender planning. (5 marks)
- (b) Prepare a sample of a section of method statement to include; excavation, foundation and drain trenches and foundations works. (15 marks)
5. (a) State **three** roles of each of the following persons in a construction project:
- (i) client;
- (ii) clerk of works. (3 marks)
- (b) Outline **six** essentials of a well programmed chart for carrying out a construction project. (6 marks)
- (c) Sketch a site layout for a medium construction site. (11 marks)
6. (a) Discuss **five** economic causes of industrial disputes in an organization. (10 marks)
- (b) Outline **five** ways of preventing industrial disputes from occurring in an organization. (10 marks)
7. (a) Under the contract of employment state **four** obligations of each of the following:
- (i) employer;
- (ii) employee. (8 marks)
- (b) (i) Identify **three** important items contained in the advice note. (3 marks)
- (ii) Prepare a sample advice note used to send four dumpy levels, two sight squares, a carton of printing ink and four rolls of printing paper. (9 marks)
8. (a) Explain **four** uses of staff appraisal. (8 marks)
- (b) Outline **four** aims of work study. (6 marks)
- (c) Explain **two** benefits of zoning parts of a town for different developmental uses. (4 marks)
- (d) Identify **four** types of shares that a construction company may use as a method of generating business capital. (2 marks)