2705/203 CONSTRUCTION MANAGEMENT I AND WORKSHOP TECHNOLOGY II June/July 2017 Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN BUILDING TECHNOLOGY MODULE II

CONSTRUCTION MANAGEMENT I AND WORKSHOP TECHNOLOGY II

3 hours

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination:

Answer booklet:

Scientific calculator.

This paper consists of EIGHT questions in TWO sections; A and B.

Answer FIVE questions; choosing THREE questions from section A, and TWO questions from section B.

All questions carry equal marks.

Maximum marks for each part of a question are indicated.

Candidates should answer the questions in English.

This paper consists of 4 printed pages.

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

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SECTION A: CONSTRUCTION MANAGEMENT I

Answer any THREE questions from this section.

12	(a)	Describe the following types of contractors in the construction industry.	
		(i) large contractors; (ii) medium sized contractors;	
		(iii) small contractors.	(9 marks)
	(b)	State three factors that may affect the size of a construction firm.	(3 marks)
	(c)	Explain the role of the contractor during the construction process.	(8 marks)
Ł/	(a)	List four contract documents that are commonly used.	(4 marks)
	(b)	Distinguish between the following filling classification: (i) alphabetical: - This is where by the documents are placed in the application in the	en a sile
25	ζ-	(i) alphabetical; - this right stother herecuy in the aphalin numerical.	(4 marks)
100	(c)	State six office equipment that are likely to be used in a construction firm.	(6 marks)
	(d)	Explain three forms of communication used in the building industry.	(6 marks)
3.	(a)	State four welfare provisions that are important on a construction site. The U	
	(b)	Babu Construction has been awarded a tender for construction of four storey Explain the factors the construction firm needs to consider when planning the layout.	
	(c)	Security on a construction site is an important factor. As a site manager explican be enhanced. * Providing Security CHIEFF in the CHIEFF	ain bow it
4.	(a)	Define management.— The PDA at TOR Model. State five qualities of a good management of Salt.	(3 marks)
	(b)	State five qualities of a good manager () ANI	(5 marks)
	(c)	Explain how the following functions of management contributes to successf organization:	iul
		(i) planning; -deciding in advance when it to be done- (ii) organising; - determining the activities to be done- (iii) forecasting; (iv) coordinating the hourseness of the statest and employed converted whote-	ivito q (12 marks)
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(c) Explain the importance of checking insulation of a circuit.

(8 marks)

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(a) Explain four reasons for earthing electrical appliances.

(6 marks)

(b) State two reasons why safety provisions in an electrical installation is important.

(4 marks)

- (c) Explain why the following types of tests are carried out in a completed electrical installation to ensure safety according to IEE regulation:
 - (i) insulation test;
 - (ii) polarity test.

(10 marks)

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