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.

D 1017 The Kenya National Examinations Council.

Turn over

SECTION A: CONSTRUCTION MANAGEMENT I

Answer any THREE questions from this section.

	1.	(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)	
1	2/	(a)	List four contract documents that are commonly used.	(4 marks)	
		(b)	Distinguish between the following filling classification:	in a sile	
			(i) alphabetical: - this is where by the documents are placed (ii) numerical. (i) alphabetical: - this is where by the documents are placed in the aphabetical in th	H. (
	-		(ii) numerical.	(4 marks)	
1	X		Till brown	(+ marks)	
W	Q.	(c)	State six office equipment that are likely to be used in a construction firm.	(6 marks)	
10	10	(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 US	HA PARKS) despire	
		(b)	Babu Construction has been awarded a tender for construction of four storey	the priving for the	
		(0)	Explain the factors the construction firm needs to consider when planning the		
			Jayout.	(10 marks)	
		(c)	Security on a construction site is an important factor. As a site manager expla	in how it	
			can be enhanced. * Providing Transite CHILPET in the With getting the watters when entering getting	Olymarks)	
4	4.	(a)	Define management, = PORQ . Gold roll model.	(3 marks)	
		(b)	State five qualities of a good manager ()	(5 marks)	
		Mil	Same and drawing or a Book warmen C MOULE.	(4	
		(c)	Explain how the following functions of management contributes to successful organization:	1	
			(i) planning; -deciding in whomes we near it to be done-		
			(ii) organising; - determining the activities to be done-		
			(ii) organising; - determining the activities to see the		
		1	(iv) coordinating the hormonicing of us the surete and employee	into a	
			congrant whote-	(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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