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Name	Index No
2306/304	Candidate's Signature
MEASUREMENT OF BUILDING	
AND CIVIL ENGINEERING	Date
WORKS	
Oct./Nov. 2015	16 AN



0.4 DEC 2015

THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN QUANTITY SURVEYING

MEASUREMENT OF BUILDING AND CIVIL ENGINEERING WORKS

3 hours

INSTRUCTIONS TO CANDIDATES

Time: 3 hours

Write your name and index number in the spaces provided above.

Sign and write the date of examination in the spaces provided above.

You should have Dimension Papers and a Scientific Calculator for this examination.

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

Answer Question ONE (Compulsory) and ONE question from section A, and ONE question from section B in the spaces provided in this question paper and on the dimension papers as necessary.

Question One carries 40 marks while the rest carry 30 marks each.

Maximum marks for each question are as indicated.

Candidates should answer the questions in English.

For Examiner's Use Only

Question	Maximum Score	Candidate's Score
- 1	40	-
2	30	
3	30	
4	30	
5	30	
	Question 1 2 3 4 5	Score 1 40 2 30 3 30 4 30

This paper consists of 20 printed pages.

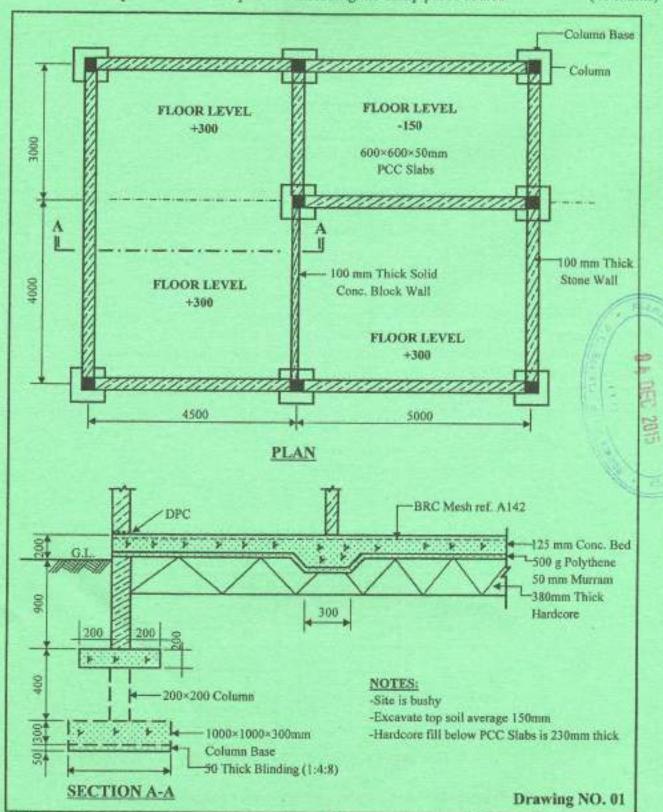
Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

SECTIONA

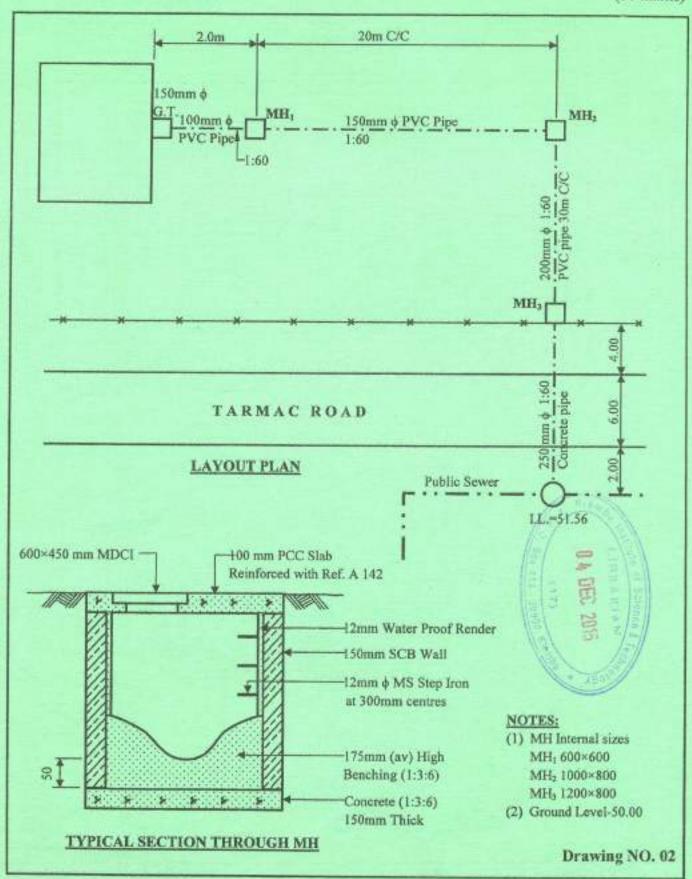
Answer question 1 (Compulsory) and ONE question from this section.

(Use the standard method of measurement of Building works for East Africa for the questions in this section.)

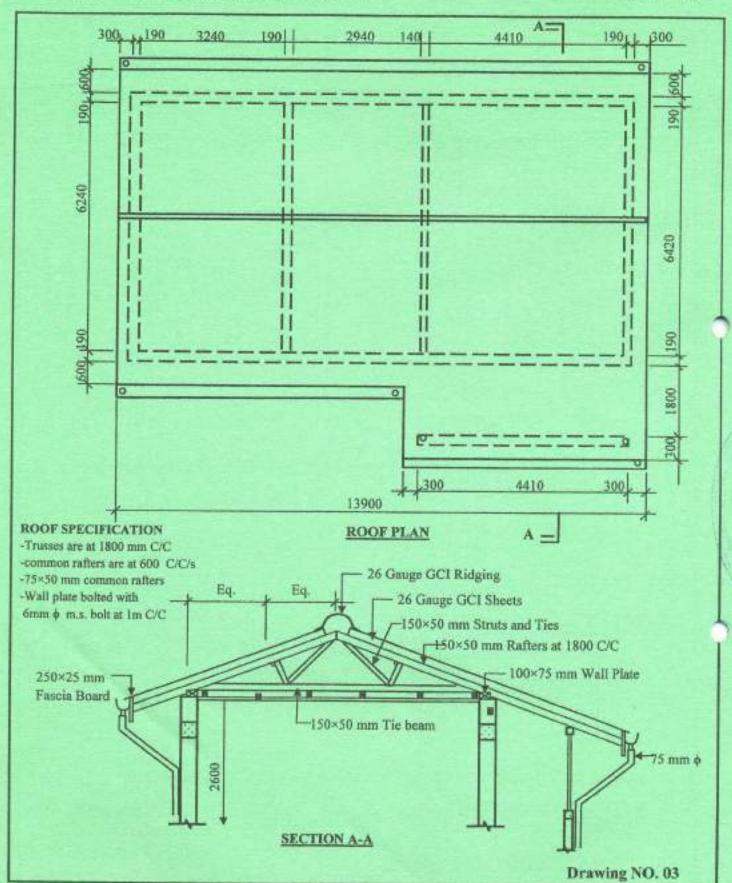
Drawing No. 01 shows the plan and section of the 'substructure works' for an office block.
 Take off all quantities shown up to and including the damp proof course. (40 marks)



 Drawing No. 02 shows a layout plan of drainage works and a typical section through a manhole. Take off all the quantities for the works shown up to and including connection to the sewer. (30 marks)



 Drawing No. 03 shows a roof plan and a typical section through the roof. Take off all the items of the roof including rain water goods. (30 marks)

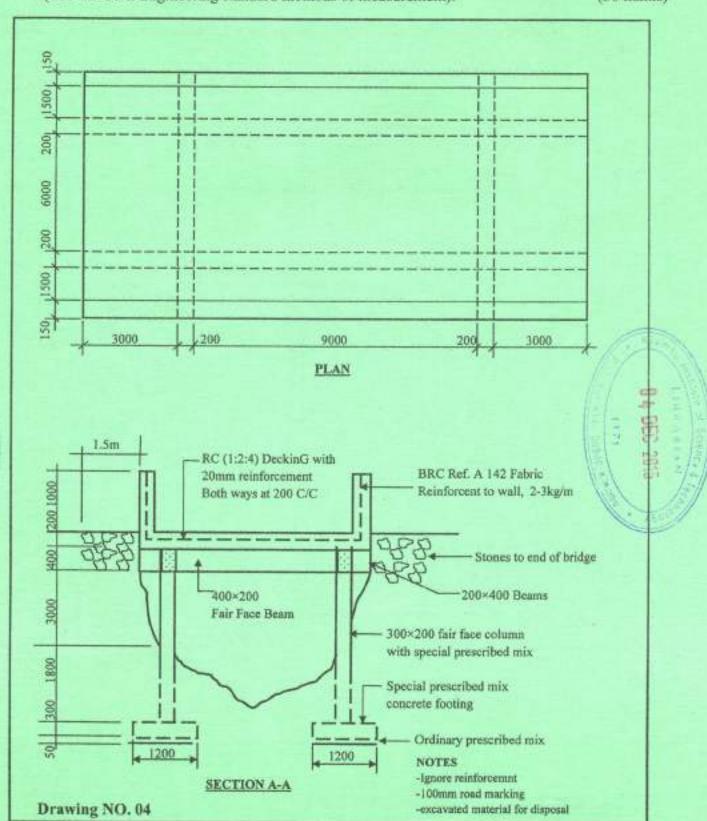


SECTION B

Answer ONE question from this section.

Take off all quantities for the bridge on drawing No. 04.
 (Use the Civil Engineering standard methods of measurement).

(30 marks)



5.	(a)	Explain the following:					
		(i)	Preambles				
		(ii)	Prime cost iten	S			
		(iii)	Provisional sur				
		(iv)	Protection clau	es		(8 marks)	
	(b)	Outlin	ne any four roles	of a quantity surveyor in the	ne construction industry.	(8 marks)	
	(c)	Explain the following:					
		(i)	Penultimate pa	ment certificate			
		(ii)		of final payment certificat	te		
		(iii)	Retention mone			(6 marks)	
	(d)	Prepa	ata below:	(8 marks)			
		Item		Ksh.	17		
		Contr	act sum	32,000,000	Sulley Bar		
		Variat		2,600,000	11 5 5 191		
			cost sums	600,000	161- 181 - 181	1	
			sional sums	600,000	10/2 20		
			easured and other		10/ 20 13		
			ngencies	800,000	100	<i>(</i>).	
		SEATOMO	9337733	500,000			
	-						
	134						
			THE STATE				
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