

# **FACULTY OF ENGINEERING AND TECHNOLOGY**

# DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

## DIPLOMA IN BUILDING AND CIVIL ENGINEERING

EBC 2107: BUILDING TECHNOLOGY I-1

## **END OF SEMESTER EXAMINATION**

**SERIES: AUGUST 2019** 

TIME: 2 HOURS

## INSTRUCTIONS TO CANDIDATES

You should have the following for this examination

- Answer booklet
- Scientific calculator

This paper consists of **FIVE** questions

Answer any **THREE** questions

Use neat, large and well labeled diagrams where required Maximum marks for each part of a question are as shown This paper consists of **TWO** printed papers.

Do not write on this Examination Paper.

# QUESTION ONE

	a)	Explain the role of the following in the construction process	
		1. Architect	
		2. Structural Engineer	
		3. Quantity Surveyor	
		4. The Client	
		5. The clerk of works (1	0 marks)
	b)	Define quality control as applied in construction works (2)	marks)
			marks)
QUESTION TWO			
	a)	Outline <b>FIVE</b> reasons for carrying out site investigation (5	marks)
	b)	Define the term foundation and state THREE purposes for its construction(5	marks)
	c) !	State FOUR major types of foundations (1	0 marks)
QUESTION THREE			
	a)	Briefly explain the evolution of built environment (1	0 marks)
	b)	State <b>FIVE</b> factors that determine the nature of built environment (5	marks)
	c)	Briefly outline the building construction process (5	marks)
QU	JES	TION FOUR	
	a)	Draw a wall opening and indicate the following:	
	u,	1. Soffit	
		2. Reveal	
		3. Jamb	
		4. Sill	
			0 marks)
Λī	IEC	TION FIVE	
Ųι	LS	HON FIVE	
	a)	State <b>FOUR</b> equipment used on construction site during setting out (2)	marks)
	b)	List <b>FOUR</b> functional requirements of floors (2)	marks)
	c)	List out <b>FOUR</b> types of stairs (2)	marks)
			marks)
		`	0 marks)
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