

TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN BUILDING AND CIVIL ENGINEERING

EBC 2306: CIVIL ENGINEERING CONSTRUCTION PLANT

END OF SEMESTER EXAMINATION SERIES: APRIL 2016

TIME: 2HOURS

Instruction to candidates

You should have the following for this examination

- Answer booklet

This paper consist of five question.

All question carry equal marks

Maximum marks for each part of a question are as shown

Use neat, large and well labelled diagrams where required

This paper consist of TWO printed pages



QUESTION ONE

	a)	 i) Describe what a crane is ii) Name five types of mobile crane iii) Name five types of fixed crane 	(4marks) (5marks) (5marks)
	b)	Give a brief description of an overhead crane	(6marks)
QU	ES	TION TWO	
	a)	i) Name five types of concreting plant	(5marks)
	b)	ii) What is a concrete plant what is the difference between control mix plant and ready mix plant	(4marks) (2marks)
		What does a mobile batch plant consist of Outline operation mechanism of a ready mix concrete plant	(6marks) (3marks)
QU	ES	TION THREE	
	a)	5 6 11	
		i) Vibrating steel drum compactor	(4marks)
		ii) Pneumatic tired roller compactoriii) Combination compactor	(4marks) (4marks)
	b)	i) Outline 3 advantages of pneumatic compactor over steel wheel rolle ii) Outline the phases consisted in road and high way construction	er (3marks) (5marks)
QU	,	,	• •
QU	ES	ii) Outline the phases consisted in road and high way construction	•
QU	ES a)	 ii) Outline the phases consisted in road and high way construction TION FOUR i) What does an asphalt plant consist of 	(5marks)
QU	e S a) b)	 ii) Outline the phases consisted in road and high way construction TION FOUR i) What does an asphalt plant consist of ii) How does the finished roads tone kept heated in roadworks i) Explain what an asphalt distributor is 	(5marks) (6marks) (4marks) (2marks)
	ES a) b) c)	 ii) Outline the phases consisted in road and high way construction TION FOUR i) What does an asphalt plant consist of ii) How does the finished roads tone kept heated in roadworks i) Explain what an asphalt distributor is ii) What is a road re-claimer 	(5marks) (6marks) (4marks) (2marks) (3marks)
	ES a) b) c)	 ii) Outline the phases consisted in road and high way construction TION FOUR i) What does an asphalt plant consist of ii) How does the finished roads tone kept heated in roadworks i) Explain what an asphalt distributor is ii) What is a road re-claimer Name five types of excavating plant 	(5marks) (6marks) (4marks) (2marks) (3marks)
	ES a) b) c)	 ii) Outline the phases consisted in road and high way construction TION FOUR i) What does an asphalt plant consist of ii) How does the finished roads tone kept heated in roadworks i) Explain what an asphalt distributor is ii) What is a road re-claimer Name five types of excavating plant TION FIVE i) What is an asphalt plant 	(5marks) (6marks) (4marks) (2marks) (3marks) (5marks) (4marks)

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