



[Knowledge for Development]

#### KIBABII UNIVERSITY

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## UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

# SPECIAL/SUPPLEMENTARY EXAMINATIONS YEAR THREE SEMESTER ONE EXAMINATIONS

### FOR THE DEGREE IN COMPUTER SCIENCE

COURSE CODE

: CSC 314.

COURSE TITLE

: MOBILE COMPUTING

DATE: 07/01/2022

TIME: 08:00 A.M - 10:00 A.M.

**INSTRUCTIONS TO CANDIDATES** 

ANSWER QUESTIONS ONE AND ANY OTHER TWO.

#### QUESTION ONE [COMPULSORY] [30 MARKS]

2.	What is Mobile Computing? Or What do you understand by Mobile Computing? Describe the two modes of multiplexing used in mobile computing. What are the two different types of mobility in Mobile Computing?	[2marks] [4marks] [4marks]
2.	What information is stored on a SIM card?	[6marks]
3.	Security threats can be divided into various categories. Explain any four	[4marks]
4.	Define the term routing and explain the two ways in which routes can be learned by [6mark]	(A)
5.	What do you understand by the term protocol? Give any two examples and there fun	ctions
		[4 marks]
	QUESTION TWO [20 MARKS]	
	2. Discuss the difference between borrowing channel allocation (BCA) and fixed	[4marks]
	The American State of the Control of	12marks]
	QUESTION FOUR [20 MARKS]	
	1. Briefly explain the OSI Model. [1	4marks]
	Describe the main disadvantages of Mobile Computing over adhoc computing?	[6marks]
	QUESTION FIVE [20 MARKS]	
	1 Explain the GSM System Protocol Architecture [2]	0marks]