

OFFICE OF THE DEPUTY PRINCIPAL ACADEMICS, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS 2020 /2021 ACADEMIC YEAR

FIRSTYEAR FIRST SEMESTER MAIN EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCE

COURSE CODE:

ZOO 101 E

COURSE TITLE:

GENERAL BOTANY

DATE:

19TH FEBRUARY 2021

TIME: 9.00 A.M - 12.00 P.M

INSTRUCTIONS TO CANDIDATES

SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

ZOO 101 E

REGULAR - MAIN EXAM

ZOO 101 E: GENERAL BOTANY

STREAM: B.EDS		DURATION: 3 Hours		
INST	RUCTIONS TO CANDIDATES			
i.	Answer ALL questions from section A and any THREE from section B.			
ii.	Diagrams should be used whenever they se	rve to illustrate the answer.		
iii.	Do not write on the question paper.			
SECTION A (24 MARKS)				
	tion One			
a). De	efine the following terms;	A		
i)	Colloidal suspension system		(2 Marks)	
ii)	Active transport system		(2 Marks)	
iii) Meiosis		(2 Marks)	
iv) Molar solution		(2 Marks)	
b). Ex	plain how any four factors affect diffusion		(4 Marks)	
Quest	tion Two			
a) Giv	e an account of the events that occur during	anaphase	(5 Marks)	
b) Hig	ghlight the main features of cell theory		(4 Marks)	
c) Wr	ite explanatory notes on lateral meristems		(3 Marks)	
SECTI	ON B (36 MARKS)			
Quest	tion Three			
Discu	ss the importance of plants		(12 Marks)	

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Question Four

a)	Describe any two types of microscopes and their working principles	(6 Marks)
b)	Highlight the differences between prokaryotic and eukaryotic organisms	(6 Marks)
Oı	uestion Five	
Explain the various phases of animal virus replication		(12 Marks
	nestion Six	
Οι	atline the differences between mitosis and meiosis	(12 Marks)
Oı	lestion Seven	

(12 Marks)

Describe the contributions of Louis Pasteur in the field of Microbiology