

## ELIZADE UNIVERSITY, ILARA-MOKIN, NIGERIA

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2020/2021 ACADEMIC SESSIO N

COURSE CODE:	BTH 305	
COURSE TITLE:	Plant Biot-chnology	Welled .
COURSE Unit(s): 3	Units	LGG18/63/202
DURATION: hor	ur's	HOD's SIGNATURE
NAME:		
MAT. Noz		
INSTRUCTIONS	Answer any four questions	

1a. What are secondary metabolites?				
1b. Mention ten (10) secondary metabolites	(20 Marks)			
2a. Outline the advantages and disadvantage	es of Micro-propagation			
2b. Define the term 'protoplast'?				
2c. Explain the various methods you can us	(20 Marks)			
3a. Discuss the factors affecting protoplast	culture.	,		
3b. Write short note on the followings:				
i. Structural Genomics				
ii. Functional Genomics				
iii. Comparative Genomics				
vi. Mutational genomics		(20 Marks)		
4a. What are the importance of genomics?				
4b. Explain the following:				
(i). Organized culture;	(ii). Disorganized culture;			
(iii). Hairy root culture;	(iv). Immobilized cell culture.	(20 Marks)		
5. What are the problems of biotechnology in Nigeria and how can these problems be solved.				
		(20 Marks)		
6. Outline the roles of biotechnology in agriculture, medicine and food processing industries.				
•		(20 Marks)		

\*