

ELIZADE UNIVERSITY, ILARA-MOKIN, ONDO STATTE, NIGERIA

BASIC & APPLIED SCIENCES BIOLOGICAL SCIENCES SECOND SEMESTER EXAMINATION 2020/2021 ACADEMIC SESSION

COURSE CODE:	BTH 418			
COURSE TITLE:	BIORESOURCES MANAGEMENT			
DURATION:	2 HOURS —			
NAME:MAT. No:				
INSTRUCTION				
Answer any FOUR	questions.			

OUESTIONS

	Quarions	
1.	 a. Using a diagram, illustrate the general anatomy of a grain. b. Write short note on the following: i) Hilum ii) Lemma iii) Scutellum iv) Chaff v) Cotyledon c. State the difference between cereal and legume. 	
		[15 Marks]
2.	a. Explain the difference between biodiversity hotspot and coldspot.	
	b. Enumerate five (5) biodiversity hotspots in Africa and associated highland c. Enumerate criteria for designating Key Biodiversity Areas.	[15 Marks]
3.	 a. i) What is a seed vault? ii) List the importance of seed vaults? b. Write concise note on the following: i) Cryobank ii) Tissue bank iii) DNA bank c. Distinguish between in-situ and ex-situ conservation of genetic resources. 	[15 Monley]
4.	 a. Write explanatory note on the following: i) Germplasm ii) Core collection iii) Genetic erosion b. Differentiate between resistance and tolerance. c. i) Explain breeding for resistance, i) How do you produce plants that are resistance. 	[15 Marks] iistant to disease? [15 Marks]
5.	a. What is sustainable development?	[15 Marks]
	b. Outline the principal threat to biodiversity.	
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c. i) What are invasive species? ii) How are invasive introduced to new areas?

[15 Marks]

- 6. a. What is tree biotechnology? ii) Briefly explain techniques used in tree biotechnology. b. Outline the risk and benefit of tree biotechnology.

 - c. Differentiate between autopolyploid and tetrapolyploid.

[15 Marks]