



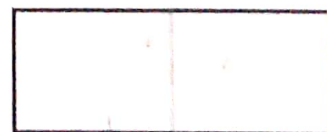
**ELIZADE UNIVERSITY, ILARA-MOKIN,
ONDO STATE, NIGERIA**

**BASIC & APPLIED SCIENCES
BIOLOGICAL SCIENCES
SECOND SEMESTER EXAMINATION
2018/2019 ACADEMIC SESSION**

COURSE CODE: BTH 418

COURSE TITLE: BIORESOURCES MANAGEMENT

DURATION: 2 HOURS



NAME:.....MAT. No:.....

INSTRUCTION:

ANSWER ANY THREE QUESTIONS

QUESTIONS

1.
 - a. Define and explain the two types of endemic species.
 - c. List at least five types of forest that you know.
 - d. What are the major threats to biodiversity?

2.
 - a. Discuss the steps to biodiversity management.
 - b. Explain using examples the direct and indirect values of bioresources to man.
 - c. What is community-based conservation?

3.
 - a. Explain the significance of Key Biodiversity Areas (KBAs) in conservation of bioresources.
 - b. Discuss the umbrella species approach in bioresources management.
 - c. Outline and explain the problem associated with invasive species.

4.
 - a. Differentiate between species richness and species abundance.
 - b. State two wild edible plants; give both scientific and common names.
 - c. Use Simpson's index to calculate species diversity for the three communities shown in the table below. Show your calculations clearly for all the communities.

Species	Number of Individuals		
	Community A	Community B	Community C
1	46	10	25
2	1	10	25
3	1	10	0
4	1	10	0
5	1	10	0
Total	50	50	50

5.
 - a. Discuss the categories of threatened species.
 - b. Explain anthropogenic factors posing threat to species.
 - b. Write short note on each of the following:
 - i. Hotspots
 - ii. Rare species
 - iii. Cryptic species
 - iv. Crepuscular species
 - v. Diurnal and nocturnal species