



ELIZADE UNIVERSITY,  
ILARA-MOKIN, NIGERIA

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

SECOND SEMESTER EXAMINATION

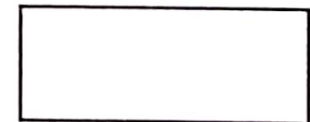
2020/2021 ACADEMIC SESSION

COURSE CODE: BIO 202

COURSE TITLE: ECOLOGY I

COURSE Unit(s): 2 Units

DURATION: 2 hours



HOD's SIGNATURE

NAME:.....

MAT. No:.....

INSTRUCTIONS Answer question FOUR (4) and any other TWO (2) questions.

1a. With the aid of a diagram, explain water cycle.

(10 Marks each)

b. Define the followings:

i. Infiltration

ii. Ecosystems

iii. Heterotrophs

iv. Food chain

v. Evolution

(2 Marks each = 10 marks)

2. Outline and explain the important periods in the history of earth.

(20 Marks)

3a. List and explain the causes of genetic variations among living organisms.

(10 Marks)

b. Differentiate between the followings:

i. Food chain and Food web.

ii. Producer and Decomposer.

iii. Interspecific competition and intraspecific competition.

vi. Terrestrial Ecosystems and Marine Ecosystem

v. Pathogen and Disease.

(2 Marks each = 10 marks)

4. Write extensively on Darwin and Lamarck's theory of evolution.

(20 Marks)

5a. Sun is the major source of energy to the earth. True or false, justify your answer.

(5 marks)

b. Explain the biotic interaction among living organisms.

(10 Marks)

c. List five (5) resources that 1000 stands of maize plants planted on 50 m<sup>2</sup> of land could compete for?

(5 Marks)