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(Knowledge for Development)

**KIBABII UNIVERSITY
UNIVERSITY EXAMINATIONS
2021 / 2022 ACADEMIC YEAR
SECOND YEAR FIRST SEMESTER
SUPPLIMENTARY/SPECIAL EXAMINATION**

FOR THE DEGREE OF BACHELOR OF EDUCATION SCIENCE

COURSE CODE: SBL 211,

COURSE TITLE: GENERAL ECOLOGY

DATE: 15TH JULY 2022

TIME: 11.00 – 1.00 PM

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



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QUESTION ONE

- a. Define the following concepts (10 marks)
- i. Population
 - ii. Habitat
 - iii. Territories
 - iv. Biological Community
 - v. Auto ecology
- b. Identify the major biomes and outline their characteristics. (5marks)
- c. Describe the differences between natural and anthropogenic ecosystems. (5marks)
- d. Explain the two main components of the environment (5marks)
- e. Identify the main characteristics of a population (5marks)

QUESTION TWO

Discuss the main interrelationships of organisms in an ecosystem (5marks)

QUESTION THREE

Discuss factors leading to population decline (5marks)

QUESTION FOUR

Discuss ways of conserving natural resources (5marks)

QUESTION FIVE

Discuss the importance of biogeochemical cycles (5marks)