



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR 2ST SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE AND EDUCATION
SCIENCE**

COURSE CODE: SBL 422

COURSE TITLE: BIOLOGICAL CONSERVATION

DATE: 18TH JANUARY 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



KIBU observes ZERO tolerance to examination cheating

Question 1

- a. Explain the meaning of the following terms;
 - (i) Biological diversity
 - (ii) Population(4 Marks)
- b. "Conservation Biology is a rapidly growing area of science" Do you agree with this statement? Provide evidence to support your answer. (5 Marks)
- c. Outline the guiding principles for biodiversity conservation. (4 Marks)
- d. State the advantages and objectives of biological conservation (4 Marks)
- e. Briefly discuss the economic obstacles to conservation (5 Marks)
- f. Briefly discuss in-situ conservation (4 Marks)
- g. Differentiate between Population Viability Analysis (PVA) and Minimum Viable Population (MVP). (4marks)

Question 2

Discuss the factors that are responsible for causing loss of biodiversity and the strategies that should be undertaken in order to conserve biodiversity (20 Marks)

Question 3

Discuss biodiversity levels and estimates. (20 Marks)

Question 4

Discuss landscaping and its importance. (20 Marks)

Question 5

- (a) Discuss population growth limitation. (10 Marks)
- (b) Discuss causes and solutions for overpopulation. (10 Marks)