



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS

2019/2020 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER

MAIN EXAMINATION

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIORESOURCES
MANAGEMENT AND CONSERVATION**

COURSE CODE: SBC 425

**COURSE TITLE: DESIGN AND PLANNING OF CONSERVATION
AREAS**

DATE: Wednesday 11th November, 2020. **TIME:** 9:00 -11:00 a.m.

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: 3 Hours

This paper consists of 2 printed pages. Please Turn Over 

KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- a) Briefly describe the concept of Island biogeography. (5marks)
- b) Explain the following concepts
- i. Biogeography (3 marks)
 - ii. Ecosystem (2 marks)
 - iii. Bioclimate (3 marks)
 - iv. Spatial dimensions (2 marks)
- c) State and explain any causes of species extinction in Kenya. (5 marks)
- d) Explain the factors influencing Island biogeography. (5 marks)
- e) Identify the factors influencing spatial distribution of plants and animals. (5 marks)

QUESTION TWO

Discuss six factors considered in the design of endangered species legislation in Kenya. (20 marks)

QUESTION THREE

Discuss national park philosophy in the developing countries. (20 marks)

QUESTION FOUR

Discuss the primary attributes exhibited by an ecosystem when designing a conservation plan. (20 marks)

QUESTION FIVE

Describe the 'ecological space' occupied by an organism. (20 marks)