



(Knowledge for Development)

KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER MAIN EXAMINATION

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

COURSE CODE: SBC 425

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

DATE: WEDNESDAY 6th, October 2021. TIME: 9:00 -11:00 p.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: 2 Hours

This paper consists of 2 printed pages. Please Turn Over
KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- [a] Define the following and concepts (6 Marks)
- i. Protected area downgrading
 - ii. Protected area downsizing
 - iii. Protected area degazettement
- [b] List threedeterminants of wildlife successful colonization. (3Marks)
- [c] Differentiate between speciation and adaptive radiation. (3Marks)
- [d] Outline two weaknesses of the theory of Island biogeography. (2 Marks)
- [e] What is the importance of paleobiogeography? (3 Marks)
- [f] Briefly describe the significance of conservation areas. (6Marks)
- [g] State threedeals of the theory of Island Biogeography. (3 Marks)
- [h] What are the components of Natura 2000? (4 marks)

QUESTION TWO

Describe the steps involved in writing a planfor a conservation area (20 Marks)

QUESTION THREE

Discuss the challenges facing management of National parks. (20 Marks)

QUESTION FOUR

Account for the decline in wildlife biodiversity. (20 Marks)

QUESTION FIVE

Explain the role of stakeholders in wildlife management. (20 Marks)