



(Knowledge for Development)

KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2017/2018 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 ON CONSERVATION AREAS

DATE: WEDNESDAY 8TH AUGUST, 2018 TIME: 2:00 – 4:00 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) Briefly describe concept of Island biogeography (5 marks)
- 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 causes of species extinction in Kenya (5 marks)
- d) Explain factors influencing Island biogeography (6 marks)
- e) Identify factors influencing spatial distribution of plants and animals (4 marks)

QUESTION TWO

Discuss six conservation principles in Kenya. (20 mks)

QUESTION THREE

Explain national park philosophy in the developing countries (20 mks)

QUESTION FOUR

Discuss the role of remote sensing in biogeography (20 mks)

QUESTION FIVE

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