



*(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 422**

**COURSE TITLE: ADVANCED BIORESOURCES MANAGEMENT**

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

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#### **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) Define the following terms as used in advanced bioresources management
- i) Habitat (1 Mark)
  - ii) *In situ* conservation (1 Mark)
  - iii) Carrying capacity (1 Mark)
  - iv) Bioresources management (1 Mark)
  - v) Predator (1 Mark)
- b) Outline the main focus of bioresources management. (5 Marks)
- c) Distinguish between manipulative and custodial management of wildlife. (5 Marks)
- d) Step by step, explain the process of bioresources policy formulation in Kenya (5 Marks)
- e) Kenya's wildlife policy was embodied in the Sessional Paper No. 3 of 1975 entitled "*A Statement on Future Wildlife Management Policy in Kenya*", had shortfalls. Explain. (5 Marks)
- f) Outline and explain the mandate of Kenya Wildlife Services in bioresources conservation (5 Marks)

### **QUESTION TWO**

Citing relevant examples, describe the various forms of wildlife conservation.

(20 Marks)

### **QUESTION THREE**

Discuss the main causes of and solutions to species extinction.

(20 marks)

### **QUESTION FOUR**

Using relevant examples, examine the effects of anthropogenic activities on bioresources management and conservation.

(20 Marks)

### **QUESTION FIVE**

- a) In sufficient details discuss species population control in a conservation area. (10 Marks)
- b) Discuss habitat restoration and improvement approaches. (10 Marks)