



*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2020/2021 ACADEMIC YEAR**

### **THIRD YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATION**

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

**COURSE CODE: SBC 322**

**COURSE TITLE: BIORESOURCES AND LOCAL COMMUNITIES**

**DATE: 10<sup>TH</sup> JANUARY 2022 TIME: 11.00 – 1.00 PM**

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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) Explain the main characteristics of nomadic pastoralists. (5 Mark)
- b) Describe the relationship between wildlife and livestock. (5 Marks)
- c) Briefly explain “the Tragedy of the Commons” by Hardins 1968. (5 Marks)
- d) Explain the fact that urban development has affected conservation areas in Kenya ( 5 Marks)
- e) Why are savannahs grasslands ideal for small herbivores? (5Marks)
- f) Outline any negative effects of bioresources to local communities in Africa. (5Marks)

### **QUESTION TWO**

Discuss effects of overgrazing on wildlife and pastoral livelihoods. (20 Marks)

### **QUESTION THREE**

Discuss the various ways of estimating wildlife populations in a given conservation area. (20 marks)

### **QUESTION FOUR**

Discuss the strategies to improve pastoralism in rangelands of Kenya. (20 Marks)

### **QUESTION FIVE**

Discuss various techniques of identifying wildlife. (20 Marks)