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# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2016/2017 ACADEMIC YEAR SECOND YEAR SECOND SEMESTER SUPPLIMENTARY EXAMINATION**

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

**COURSE CODE: SBC 223**

**COURSE TITLE: TECHNIQUES IN BIORESOURCES MANAGEMENT**

**DATE: 25/09/2017**

**TIME: 11:30 – 1: 30 P.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: 2 Hours

This paper consists of 2 printed pages. Please Turn Over

## QUESTION ONE

- a. Briefly explain the following concepts
  - i. Species richness (3marks)
  - ii. Species abundance (3marks)
- b. State four benefits of diverse range plant community in bioresource management (4marks)
- c. Explain the criteria for spotlight line census technique as used in wildlife census (5marks)
- d. State four key habitat component that are necessary to sustain wildlife (5marks)
- e. Identify five sources of habitat degradation that have had significant impacts on wildlife (5marks)
- f. Giving examples, identify three non-consumptive uses of wildlife (5marks)

## QUESTION TWO

Describe how human activities impact wildlife in Kenya (20marks)

## QUESTION THREE

Explain the major physical and biological components of habitats that are important to wildlife population (20marks)

## QUESTION FOUR

Discuss habitat enhancement process in wildlife management (20marks)

## QUESTION FIVE

Highlight human and ecological value of wildlife management in Kenya (20marks)