



*(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 BIO-RESOURCE  
MANAGEMENT AND CONSERVATION**

**COURSE CODE: SBC 422**

**COURSE TITLE: ADVANCED BIORESOURCES  
MANAGEMENT**

**DATE:** Monday 6<sup>TH</sup> August, 2018.

**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: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

1. a) Define the following terms: (5 mks.)

i) Carrying capacity.

ii) Habitat improvement.

iii) Predation.

iv) Translocation.

v) Vegetation control.

b) Describe the effects of predators on prey population dynamics. (5 mks.)

c) How much forage do grazing animals require? (5 mks.)

d) State the factors that determine carrying capacity (5 mks.)

e) Briefly discuss habitat wildlife requirements. (5 mks.)

f) What are the causes of threats to species and eventual species extinctions? (5 mks.)

2. Discuss impacts of land use practices. (20 mks)

3. Discuss the factors that limit large vertebrate population. (20 mks)

4. Write an essay on management of human populations. (20 mks)

5. Discuss the statement "Introduced and exotic wildlife management of endangered species and ecosystems are an important aspect of wildlife management." (20 mks)