



KIBABII UNIVERSITY

UNIVERSITY EXAMINATIONS 2017/2018 ACADEMIC YEAR THIRD YEAR SECOND SEMESTER SPECIAL/SUPPLIMENTARY EXAMINATION

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

COURSE CODE: SBC 324
COURSE TITLE: CONSERVATION AND UTILISATION OF BIORESOURCES

DATE: 9th October, 2018 **TIME:** 3:00 -5:00 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 1:

- (a) Outline the various actions that should be taken to ensure that there is sustainable utilization of natural resources in the developing countries **(5 marks)**
- (b) Describe the importance of conservation biology discipline in biodiversity conservation **(5 marks)**
- (c) Explain how climate change and global warming are a threat to biological resources **(5 marks)**
- (d) Discuss how rural communities can be involved in environmental conservation and why their involvement is important **(5 marks)**
- (e) Give 5 examples of the most endangered animal species in Kenya and the reasons why **(5 marks)**
- (f) Discuss the importance of environmental conservation **(5 marks)**

QUESTION 2:

Discuss giving examples the trans-boundary natural resource conservation and management between African countries **(20 marks)**

QUESTION 3:

Using appropriate examples discuss the role of Non-governmental Organizations (NGOs) and private sectors in natural resource management and conservation **(20 marks)**

QUESTION 4:

Explain the role of the following institutions in biodiversity conservation **(20 marks)**

- a. Kenya Wildlife Service
- b. Kenya Forest Service
- c. National Environment Management Authority
- d. Kenya Marine Authority

QUESTION 5:

Discuss how the following affects biodiversity conservation in an ecosystem **(20 marks)**

- i. Ecosystem fragmentation
- ii. Deforestation
- iii. Pollution
- iv. Invasive species