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*(Knowledge for Development)*

# **KIBABII UNIVERSITY**

## **UNIVERSITY EXAMINATIONS 2016/2017 ACADEMIC YEAR**

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

**FOR THE DEGREE OF BACHELOR OF SCIENCE BIORESOURCE  
MANAGEMENT AND CONSERVATION**

**COURSE CODE: SBC 324**

**COURSE TITLE: CONSERVATION AND UTILIZATION OF BIORESOURCES**

**DATE: 19/09/2017**

**TIME: 3:00 – 5:00 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



**KIBU observes Zero tolerance to examination cheating**



**Question 1:**

- a) Discuss the best practices on how both conservation and utilization of Bioresources can be achieved in a developing country (5 marks)
- b) Discuss the conservation policies of the government of Kenya (5 marks)
- c) Outline the challenges facing Kenya in conservation of bioresources (5 marks)
- d) Explain the reasons why small populations are in real danger of going extinct (5 marks)
- e) Discuss the importance of high species diversity in an ecosystem compared to high species richness (5 marks)
- f) Outline the disadvantages of ex-situ methods of conservation of species (5 marks)

**Question 2:** Discuss giving examples the trans-boundary natural resource conservation and management between African countries (20 marks)

**Question 3:** What is the role of local governance and community based organizations in natural resource management and conservation (20 marks)

**Question 4:** Discuss how climate change and global warming are a threat to biological resources (20 marks)

**Question 5:** Discuss how the following affects biodiversity conservation in an ecosystem (20 marks)

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