



*(Knowledge for Development)*

## **KIBABII UNIVERSITY**

### **UNIVERSITY EXAMINATIONS 2019/2020 ACADEMIC YEAR**

#### **FIRST YEAR SECOND SEMESTER SPECIAL/SUPPLEMENTARY EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF COMMERCE**

**COURSE CODE: SES 211**

**COURSE TITLE: FUNDAMENTALS OF ENVIRONMENTAL  
STUDIES**

**DATE: Wednesday 10<sup>th</sup> February, 2021**

**TIME: 2:00 – 4:00 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

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**Question One (30 Marks)**

- a) Define the following terms (5 marks)
- i. Wildlife conservation
  - ii. Climate change
  - iii. Habitat
  - iv. Deforestation
  - v. Environmental law
- b) What are the effects of habitat fragmentation in an ecosystem (5 marks)
- c) By use of examples, explain the role of transboundary natural resource management between countries in Africa (5 marks)
- d) Justify why conservation biology is regarded as a discipline in crisis today (5 marks)
- e) Outline the remedial actions that can address the crisis facing the discipline of environmental conservation in Kenya today (5 marks)
- f) Explain how human activities have contributed to the spread of invasive species (5 marks)

**Question Two (20 Marks)**

What are the effects of climate change and global warming in Kenya and its environs? (20 Marks)

**Question Three (20 Marks)**

Fundamental imbalances can occur between biodiversity utilization and economic gains. Discuss examples of these problems and their solutions. (20 marks)

**Question Four (20 Marks)**

Discuss the role of the following government bodies in environmental conservation (20 marks)

- i. Kenya Forest Service
- ii. Kenya Wildlife Service
- iii. Kenya Marine Authority
- iv. National Museums of Kenya
- v. Kenya Forest Research Institutes

**Question Five (20 Marks)**

Discuss various national and international laws, conventions and treaties that have been enacted to safeguard biodiversity conservation globally **(20 marks)**