



(Knowledge for Development)

KIBABII UNIVERSITY

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER
MAIN EXAMINATIONS**

FOR THE DEGREE OF BACHELOR OF SCIENCE IN BIOLOGY

COURSE CODE: SES 211

**COURSE TITLE: FUNDAMENTALS OF ENVIRONMENTAL
SCIENCE**

INSTRUCTIONS TO CANDIDATES

Answer Question one (1) and any other two (2) Questions. Question one carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



DATE: 13TH December 2022

TIME: 8.00 – 10.00 am

KIBU observes ZERO tolerance to examination cheating

QUESTION ONE

- a) Define the following concepts **(10 marks)**
- i) Environment
 - ii) Environmental audit
 - iii) Biological resources
 - iv) Ecosystem management
 - v) Sustainable development
- b) Outline five international conventions that have been signed to protect the environment and biodiversity **(5 marks)**
- c) State the rationale for the concept of sustainable development **(5 marks)**
- d) Outline the various remedial actions to threats of environmental conservation **(5 marks)**
- e) Identify the major causes of resource conflicts and their consequences **(5 marks)**

QUESTION TWO

Discuss how development activities in Kibabii University and the expansion of Bungoma town have contributed to environmental degradation **(20 marks)**

QUESTION THREE

Identify and discuss the major causes of desertification in Kenya **(20 marks)**

QUESTION FOUR

Discuss the principles of natural resource management **(20 marks)**

QUESTION FIVE

Discuss environmental problems associated with industrial development **(20 marks)**