



MACHAKOS UNIVERSITY

University Examinations for 2023/2024 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR BACHELOR OF ENVIRONMENTAL SCIENCE

ERC 110: INTRODUCTION TO NATURAL RESOURCE MANAGEMENT

DATE:

TIME:

Instructions: Answer question ONE and any other TWO questions

QUESTION ONE

a) Giving examples, differentiate between the following concepts:

- i. Renewable and Non-renewable natural resources (4 Marks)
- ii. Biotic and Abiotic natural resources (4 Marks)
- iii. Conservation and Preservation (4 Marks)

b) “Resources are not, they become”. Critically justify this statement (6 Marks)

c) Discuss the impacts of human activities on natural resources (12 Marks)

QUESTION TWO

a) Explain the significance of natural resources in sustainable development (10 Marks)

b) Describe any five key ecological principles of sustainability of natural resources (10 Marks)

QUESTION THREE

Discuss the application of any five principles of natural resources management in Kenya (20 Marks)

QUESTION FOUR

Examine two approaches to natural resource management and discuss their application in forest resource management in Kenya (20 Marks)

QUESTION FIVE

a) Discuss the significance of natural resource management laws (10 Marks)

b) Discuss the challenges in implementation of natural resource laws in Kenya (10 Marks)

