



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR
BACHELOR OF SCIENCE (COMMUNITY RESOURCE MANAGEMENT)
ESU 111 ENVIRONMENTAL PLANNING AND MANAGEMENT

DATE: _____

TIME: _____

INSTRUCTIONS:

Answer Question ONE and any other TWO questions

QUESTION ONE (30 marks)

- a) Explain the following
 - (i) Environmental planning (2 marks)
 - (ii) Environmental monitoring (2 marks)
 - (iii) Environmental Evaluation (2 marks)
- b) Discuss FOUR components of the environment (8 marks)
- c) Explain FOUR types of environments in Kenya (8 marks)
- d) Explain EIGHT functions of the Ecosystem vital for living and non-living organisms. (8 marks)

QUESTION TWO (20 MARKS)

Discuss the basic techniques and procedures of environmental planning and management

QUESTION THREE (20 MARKS)

The global environment is experiencing natural and human induced stresses which directly interfere with normal government planning and management of resources. Explain TEN stressors that need to be addressed urgently for the achievement of sustainable development

QUESTION FOUR (20 MARKS)

The relationship between planning and decision making is important for a successful planning process. Describe the steps in decision making that are critical for a successful planning process.

QUESTION FIVE (20 MARKS)

Discuss the principles of environmental planning and management