



MACHAKOS UNIVERSITY

University Examinations 2023/2024 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCE

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN COMMUNITY RESOURCE MANAGEMENT

BACHELOR OF ENVIRONMENTAL SCIENCE

ESU 111: PRINCIPLES OF ENVIRONMENTAL PLANNING AND MANAGEMENT

DATE

TIME

INSTRUCTIONS:

Answer Question ONE and any other TWO questions

QUESTION ONE (30 marks)

- a) Explain the following
- Environmental planning (2 marks)
 - Environmental management (2 marks)
 - Natural Resource conservation (2 marks)
 - Natural Resource Utilization (2 marks)
- b) Discuss five major components of the environment (10 marks)
- c) Explain the significance of stakeholder participation in environmental planning and management in Kenya (10 marks)

QUESTION TWO (20 MARKS)

Discuss the basic planning procedures that are important in guiding environmental management teams to deliver on their mandates in Kenya

QUESTION THREE (20 MARKS)

You have been invited by your local County Government to give a lecture on the importance of environmental planning and management, Discuss

QUESTION FOUR (20 MARKS)

Describe the steps in decision making process that are critical for a successful planning process.

QUESTION FIVE (20MARKS)

Explain the principles of environmental planning and management that form the legal basis for environmental governance