



# MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF AGRICULTURE, ENVIRONMENT AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

ERC 402: ENVIRONMENTAL PROGRAMMES DEVELOPMENT

DATE: 14/12/2022

TIME: 8.30 – 10.30 A.M

**INSTRUCTIONS:** Answer question **One (compulsory)** and any other **Two** questions

## QUESTION ONE (COMPULSORY) (30 MARKS)

- Discuss the importance of involving various stakeholders when developing a suitable programme to address a **named** environmental challenge in an area (10 marks)
- Highlight any **five** challenges you would face in developing an environmental programme for a specific issue (10 marks)
- Explain the need for undertaking monitoring and evaluation when developing a specific environmental programme (10 marks)

## QUESTION TWO (20 MARKS)

Suppose you have been appointed as an Advisor to the Governor on Drought Management in your County, discuss how you would undertake the assignment

## QUESTION THREE (20 MARKS)

Explain the key steps of conducting a *situational analysis* exercise prior to developing an environmental programme

## QUESTION FOUR (20 MARKS)

Discuss any five interventions to the challenges faced in developing an action plan for an environmental challenge

## QUESTION FIVE (20 MARKS)

Rationalize the need for SMART objectives when developing an environmental programme for addressing water pollution in Machakos County