



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)

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