



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 (ENVIRONMENTAL RESOURCE
CONSERVATION)**

ERC 409: NON-FORMAL ENVIRONMENTAL EDUCATION

DATE: _____ **TIME:** _____

INSTRUCTIONS: Answer question ONE and any other TWO

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) State five objectives of non-formal environmental education. (5 marks)
- b) Assuming that you want to conduct research on non-formal environmental education in Kenya, outline five key areas which you would target. (5 marks)
- c) Discuss the benefits of integrating Information, Communication and Technology into non-formal environmental education in Kenya. (10 marks)
- d) Differentiate between formal and non-formal environmental education programmes. (10 marks)

QUESTION TWO (20 MARKS)

As an environmental officer in Machakos County, discuss the problems you would expect to encounter with adult environmental education programmes and the potential solutions.

QUESTION THREE (20 MARKS)

Discuss the instructional media which you would use in a non-formal environmental education programme in Kenya.

QUESTION FOUR (20 MARKS)

- a) Explain three indicators which you would use to evaluate a non-formal environmental education programme in Kenya. (6 marks)

b) Discuss the importance of non-formal environmental education in Kenya. (14 marks)

QUESTION FIVE (20 MARKS)

a) *'Mass media is a key channel for non-formal environmental education in Kenya'*. Discuss. (10 marks)

b) Explain the role of non-governmental and voluntary agencies in implementation of non-formal environmental education in Kenya. (10 marks)