



# 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)

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

- 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)