



# MACHAKOS UNIVERSITY

University Examinations For 2018/2019 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

ERC 409: NON-FORMAL ENVIRONMENTAL EDUCATION

DATE: 29/4/2019

TIME: 11:00 – 1:00 PM

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**INSTRUCTIONS: Answer question ONE and any other TWO questions**

## QUESTION ONE (30 Marks)

- a) Explain the following terms:
- i) Incidental education (2 marks)
  - ii) Formal education (2 marks)
  - iii) Mass media (2 marks)
  - iv) Environmental advocacy (2 marks)
  - v) Citizen participation (2 marks)
- b) Explain the characteristics of non- formal education (10 marks)
- c) Explain five ways interest groups can influence public opinion on environmental conservation. (10 marks)

## QUESTION TWO (20 MARKS)

Discuss the principles of extension services and the relevance in disseminating environmental information.

## QUESTION THREE (20 Marks)

- a) Differentiate formal and non- formal education. (10 marks)
- b) Explain the role of social groups in environmental conservation. (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Explain the significance of non-formal education to specific beneficiaries. (10 marks)
- b) Compare and contrast the effectiveness of radio versus television in promotion of non-formal education. (10 marks)

**QUESTION FIVE (20 MARKS)**

Discuss the role of Non governmental organizations in promoting environmental awareness in Kenya.