



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEARSEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

**ERC 404: COMMUNITY PARTICIPATION IN ENVIRONMENTAL RESOURCE
MANAGEMENT**

DATE:

TIME:

INSTRUCTIONS;

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the following terms
- i. Co-management (2 marks)
 - ii. Indigenous Knowledge (2 marks)
 - iii. Institutional change (2 marks)
 - iv. Property Rights (2 marks)
- b) Define the term stakeholder analysis and discuss the steps you would undertake to conduct stakeholder analysis when developing a forest resource management plan (12 marks)
- c) Explain five types of community participation in environmental management (10 marks)

QUESTION TWO (20 MARKS)

- a) Discuss five design principles that guide common property management systems (10 marks)
- b) Explain five constraints to success of community-based wildlife management in Kenya. (10 marks)

QUESTION THREE (20 MARKS)

Using Nyando Wetland Restoration Project as an example, discuss the approaches that can be used to integrate communities in management of wetlands in Kenya.

QUESTION FOUR (20 MARKS)

Using appropriate examples, discuss the role played by Community Based Natural Resource Management (CBNRM) in linking economic development and natural resources management

QUESTION FIVE (20 MARKS)

Today management of forest resources in Kenya has been partly devolved to local communities through Community Forest Associations (CFAs). Discuss the importance of this system to sustainable management of forests