



# MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (ENVIRONMENTAL RESOURCE  
CONSERVATION)

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

**DATE: 16/8/2021**

**TIME: 11.00-1.00 PM**

---

**INSTRUCTIONS:**

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

**QUESTION ONE (COMPULSORY) (30 MARKS)**

- a) Explain the following terms
- i. Co-management (2 marks)
  - ii. Functional participation (2 marks)
  - iii. Institutional change (2 marks)
  - iv. Management rights (2 marks)
  - v. Ownership rights (2 marks)
- b) Discuss the rationale for community participation in natural resources management (10 marks)
- c) Discuss the factors that influence the success of community based natural resources management. (10 marks)

**QUESTION TWO (20 MARKS)**

Assuming you have been hired by Kenya Forest Service and stationed at Karura forest to coordinate Participatory Forest Management (PFM) program. With relevant examples, explain the importance of engaging stakeholders in your work and describe the process you will use to conduct stakeholder analysis before beginning the program.

**QUESTION THREE (20 MARKS)**

Explain the opportunities for community participation provided by the following frameworks in the management of respective resources in Kenya.

- a) Wildlife Conservation and Management Act (no 47 of 2013) (10 marks)
- b) Forest policy, 2014 (10 marks)

**QUESTION FOUR (20 MARKS)**

Assume you have been contracted as a program officer by a Non-Governmental Organisation (NGO) working on an integrated wetlands management program in your county.

- a) Discuss five practical approaches you will recommend to enhance community participation in the program. (10 marks)
- b) Explain the challenges you are likely to face when integrating communities in the program. (10 marks)

**QUESTION FIVE (20 MARKS)**

With relevant examples in each stage, describe the process you would use to institute a change from protectionist approach used by Kenya Wildlife Service (KWS) to community-based approach in management of wildlife resources in Kenya.