



MACHAKOS UNIVERSITY

University Examinations for 2019/2020 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)

ERC 404: COMMUNITY PARTICIPATION IN NATURAL RESOURCE MANAGEMENT

DATE: 18/01/2021

TIME: 2.00-4.00 PM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the following concepts
- i. Collaborative management (2 marks)
 - ii. Common property (2 marks)
 - iii. Institutional change (2 marks)
 - iv. Property Rights system (2 marks)
 - v. Functional participation (2 marks)
- b) Explain five principles that guide sustainable management of communal natural resources (10 marks)
- c) Discuss the potential benefits of community participation in management of wildlife resources (10 marks)

QUESTION TWO (20 MARKS)

Assume you have been hired by Kenya Forest Service and tasked with the responsibility of promoting stakeholder participation in management of forests.

- a) Explain the role of any five stakeholders that you are likely to engage (10 marks)

- b) Describe any five crucial factors that you will need to consider for successful stakeholder engagement process (10 marks)

QUESTION THREE (20 MARKS)

Explain the principles of Participatory Rural Appraisal and discuss how it can be used to enhance community participation in management of natural resources

QUESTION FOUR (20 MARKS)

Describe the challenges that you are likely to face when implementing community-based approach in management of wildlife resources and suggest ways in which you can address each of these challenges.

QUESTION FIVE (20 MARKS)

Currently, management of capture fishery resources in Kenya has been partly devolved to local communities through Beach Management Units (BMUs). Discuss the importance of this system to sustainable management of fisheries resources