



MACHAKOS UNIVERSITY

University Examinations for 2016/2017 Academic Year

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR
BACHELOR OF ENVIRONMENTAL STUDIES (ENVIRONMENTAL
RESOURCE CONSERVATION)**

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

DATE: 3/8/2017

TIME: 8:30 – 10:30 AM

INSTRUCTIONS:

Answer Question One and Two Other Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain the concept of community participation in environmental resource management. (5 marks)
- b) Highlight five underlying principles of community participation in natural resource management. (5 marks)
- c) Explain five types of community participation in environmental management. (10 marks)
- d) Explain five benefits of community based approach in environmental conservation. (10 marks)

QUESTION TWO (20 MARKS)

- a) Discuss four main factors that determine the success of Community-based Environmental resource management. (8 marks)
- b) Explain six characteristics of an effective common Environmental Resource Management. (12 marks)

QUESTION THREE (20 MARKS)

- a) In reference to environmental resource management, define the term ‘institutional change. (2 marks)
- b) Explain the three costs that need to be compared when undertaking an institutional change for the management of a wetland. (6 marks)
- c) Discuss four environmental property rights regimes clearly showing the owners rights and duties. (12 marks)

QUESTION FOUR (20 MARKS)

- a) Define the term stakeholder analysis (2 marks)
- b) Discuss the steps you would undertake to conduct stakeholder analysis when developing a forest resource management plan. (8 marks)
- c) Discuss five benefits of tapping local indigenous knowledge when engaging the community in the management of an environmental resource. (10 marks)

QUESTION FIVE (20 MARKS)

- a) In the context of environmental resource management define the word conflict. (2 marks)
- b) Discuss three types of conflicts that arise from community based natural resource management. (6 marks)
- c) Explain six constraints of community based wildlife management in Kenya. (12 marks)