



MACHAKOS UNIVERSITY

University Examinations for 2016/2017

SCHOOL OF AGRICULTURE AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES

SECOND YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR OF
SCIENCE IN ENVIRONMENTAL CONSERVATION MANAGEMENT

ERC 213: INTRODUCTION TO WILDLIFE RESOURCES

Date: 30/11/2016

Time: 2:00 – 4:00 PM

INSTRUCTIONS:

Answer ALL questions in section A and ANY TWO questions in section B

SECTION A: 30 MARKS

QUESTION ONE (30 MARKS)

- i) Explain the following terminologies
 - a) Wildlife (1 mark)
 - b) Habitat (1 mark)
 - c) Ecosystem (1 mark)
 - d) Keystone species (1 mark)
 - e) Home range (1 mark)
 - f) Carrying capacity (1 mark)
 - g) Environment (1 mark)

- ii. a) List any four national parks in Kenya (4 marks)

- b) List any four national reserves in Kenya (4 marks)
- iii. Briefly explain the three (3) basic principles of wildlife resources management (9 marks)
- iv. State any three terrestrial habitats of wildlife. Give an example of a wildlife species found in each of them. (6 marks)

SECTION B: ANSWER TWO QUESTIONS (40 MARKS)

QUESTION TWO (20 MARKS)

- a) Discuss the seven methods of restoring degraded wildlife resources in Kenya (14 marks)
- b) List any two aquatic wildlife ecosystems in Kenya. For each ecosystem, give two examples of wildlife species found in them. (6 marks)

QUESTION THREE (20 MARKS)

Discuss the role of wildlife to sustainable development of Africa (20 marks)

QUESTION FOUR (20 MARKS)

- a) Using an illustration, discuss the two main categories of natural resources (10 marks)
- b) Discuss any five threats facing wildlife conservation management in Kenya. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss the five policies that support wildlife resource management in Kenya (10 marks)
- b) List any five categories of International Union for Conservation of Nature (IUCN) Red data classification on the conservation status of wildlife species (10 marks)