



MACHAKOS UNIVERSITY

University Examinations for 2018/2019 Academic Year

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL SCIENCES

**SECOND YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR
ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION AND COMMUNITY
DEVELOPMENT)**

ERC 213: INTRODUCTION TO WILDLIFE AND RANGELAND RESOURCES

DATE: 25/7/2019

TIME: 8.30-10.30 AM

INSTRUCTIONS:

Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

- a) Explain the forces driving wildlife extinctions. (7 marks)
- b) State the indicators of rangeland resource degradation. (5 marks)
- c) Discuss the use of controlled fire in some rangeland ecosystems. (10 marks)
- d) Describe the factors affecting animal population success in the rangelands. (10 marks)

QUESTION TWO (20 MARKS)

- a) Explain Human-Wildlife Conflicts. (5 marks)
- b) Explain the approaches of managing human-wildlife conflicts. (15 marks)

QUESTION THREE (20 MARKS)

Distinguish between the following concepts:

- a) Community and Ecosystem (10 marks)
- b) Shrubs and Trees (10 marks)

QUESTION FOUR (20 MARKS)

- a) What is wildlife control? (5 marks)
- b) Discuss the effects and methods of wildlife control. (15 marks)

QUESTION FIVE (20 MARKS)

Discuss the role of KWS and government policies in protecting Wildlife.