



MACHAKOS UNIVERSITY

University Examinations for 2017/2018

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

DEPARTMENT OF ENVIRONMENTAL STUDIES AND COMMUNITY
DEVELOPMENT

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

ERC 213: INTRODUCTION TO WILDLIFE AND RANGE RESOURCES

DATE: 11/12/2017

TIME: 11.00-1.00 PM

INSTRUCTIONS:

Answer Question One and Any Two Questions

1.
 - a) Explain the meaning of the following terms
 - i Wildlife conservation (2 marks)
 - ii Wildlife user rights (2 marks)
 - iii Wildlife carrying capacity (2 marks)
 - iv Biodiversity (2 marks)
 - v Auto ecology (2 marks)
 - b) Citing examples, Explain five characteristics of wildlife species vulnerable to local extinction (10 marks)
 - c) Explain the significance of rangeland resources to pastoral community development and sustainable wildlife management (10 marks)
2. Wildlife management without significant human dimension consideration is not a realistic goal. Discuss. (20 marks)
3. Explain the range science principles that can be applied successfully to sustainable range resource management (20 marks)
4. Explain the role of conventions and treaties in wildlife conservation (20 marks)
5. The decline in major wildlife species in Kenya has reached an alarming level due to increasing human wildlife conflicts. Discuss best strategies that can be adopted by KWS to minimize the conflicts (20 marks)