



MACHAKOS UNIVERSITY

University Examinations for 2017/2018

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT

**DEPARTMENT OF ENVIRONMENTAL STUDIES AND COMMUNITY
DEVELOPMENT**

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

**ERC 108: INTRODUCTION TO NATURAL RESOURCES UTILIZATION AND
MANAGEMENT**

DATE:11/12/2017

TIME:2.00-4.00 PM

INSTRUCTIONS:

Answer Question One and Any Other Two Questions

1.
 - a) Giving examples, explain two types of natural resources (5 marks)
 - b) State appropriate approaches applied in management of natural resources in East Africa (5 marks)
 - c) Explain any ten (10) roles of natural resources in community and national development (10 marks)
 - d) Outline any practical tools for planning and monitoring natural resource management in Community Based Organizations (4 marks)
 - e) State six IUCN management Criteria for natural resources in protected areas (6 marks)
2. Explain any ten(10) viable solutions that are applicable to challenges affecting the management of both biological and physical resources in Kenya (20 marks)
3. Using examples discuss the costs of Human Wildlife Conflicts and Explain why information is so important in reducing Human Wildlife Conflicts (20 marks)
4. With the aid of appropriate diagrams, illustrate the different types of buffer zones and explain the functions of a buffer zone (20 marks)
5. Explain any five Acts of Parliament that are associated with conservation and management of Natural resources in Kenya (20 marks)