



# **MACHAKOS UNIVERSITY**

**University Examinations for 2018/2019 Academic Year**

**SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES MANAGEMENT**

**DEPARTMENT OF ENVIRONMENTAL SCIENCES**

**FIRST YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR**

**BACHELOR IN ENVIRONMENTAL STUDIES (RESOURCE CONSERVATION)**

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

**DATE: 26/9/2019**

**TIME: 8.30-10.30 AM**

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## **INSTRUCTIONS:**

**Answer question ONE and any other TWO questions**

### **QUESTION ONE (30 MARKS)**

- a) Give a definition of the following: -
- i. Natural resource utilization (3 marks)
  - ii. Water Resources Management (3 marks)
  - iii. Environmental policy (3 marks)
  - iv. Environmental Conservation (3 marks)
  - v. Sustainable Development (3 marks)
- b) Explain two categories of natural resources in Kenya (6 marks)
- c) Why is it important to have an environmental policy in natural resource utilization and management? (9 marks)

### **QUESTION TWO (20 MARKS)**

Discuss TEN challenges facing Kenya Forest Service (KFS) in its attempt to effectively deliver their mandate

**QUESTION THREE (20 MARKS)**

Discuss some of the institutions in Kenya charged with the mandate of proper utilization and management of natural resources

**QUESTION FOUR (20 MARKS)**

Citing relevant examples, explain TEN factors responsible for the depletion of Natural Resources in Kenya

**QUESTION FIVE (20 MARKS)**

Natural resources utilization in Kenya is a major requisite for the realization of the BIG four Agendas. Discuss