



**TECHNICAL UNIVERSITY OF MOMBASA**

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FACULTY OF APPLIED AND HEALTH SCIENCES

DEPARTMENT OF ENVIRONMENT & HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR:  
BACHELOR OF SCIENCE IN BSDS 15S/YEAR 2/ SEMESTER 1**

**AES 4232: ENVIRONMENTAL RESOURCE MANAGEMENT**

**SPECIAL / SUPPLEMENTARY EXAMINATION**

**SERIES: AUGUST 2017**

**TIME: 2 HOURS**

**Instructions to Candidates**

This paper consists of FIVE questions

Answer question ONE (COMPULSORY) and any other TWO questions.

*This paper consists of two printed pages.*

*Mobile phones are NOT allowed in the examination room*

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**Question One (Compulsory)**

- a) Define the following terms **(5marks)**
- i. Inorganic renewable resource
  - ii. Over-drafting
  - iii. Public environmental resources
  - iv. Environmental Management institution
  - v. Environmental policy
- b) Describe the forms of environmental resources. **(4marks)**
- c) Explain four (4) major forms that humans consume environmental resources. **(4marks)**
- d) Identify, indicating their roles, five (5) agencies involved in the management of natural resources in Kenya. **(5marks)**
- e) Describe the problems facing fisheries resources management in Kenya. **(4marks)**
- f) Identify four (4) natural resources and their products and services utilized by humans. **(4marks)**
- g) Identify some advantages of undertaking environmental resource management. **(4marks)**

**Question TWO**

- a) Discuss the major threats to natural resources globally today. **(10marks)**
- b) Describe the management measures that can be applied to prevent the threats mentioned in (a) above. **(10marks)**
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### **Question Three**

- a) Discuss the consequences of global Warming. **(10marks)**
- b) Discuss the strategies necessary for effective air resource management. **(10marks)**

### **Question Three**

- a) Explain the general characteristics of non-renewable resources. **(3marks)**
- b) Describe Factors Determining Amounts of Available Nonrenewable Resources. **(10marks)**
- c) Discuss the main categories of Non-renewable resources. **(7marks)**

### **Question Four**

Discuss the guiding principles for environmental resource management. **(20marks)**

### **Question Five**

- a) Discuss the causes of environmental degradation. **(10marks)**
- b) Describe some management measures that are necessary to control the causes mentioned in (a) above. **(10marks)**