



*“Investing in Africa’s Future”*

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL SCIENCES**

**DEPARTMENT OF ENVIRONMENTAL STUDIES AND NATURAL RESOURCES**

**NANR 212: INTRODUCTION TO NATURAL RESOURCES MANAGEMENT**

**END OF SECOND SEMESTER FINAL EXAMINATIONS**

**APRIL 2022**

**LECTURER: MS. M. C. KUREHWATIRA**

**DURATION: 3 HOURS**

**INSTRUCTIONS**

Answer all questions in section A and any three questions in section B

**Section A**

**Question 1**

a) Define the following:

- |  |           |
|--|-----------|
| i. Community Based Natural Resources Management, | [2 marks] |
| ii. Integrated Environmental Management,         | [2 marks] |
| iii. Natural resources and                       | [2 marks] |
| iv. Sustainable Development.                     | [2 marks] |

- b) Describe any three impacts of technology on natural resources in Africa. **[9 marks]**
- c) State and elaborate on three natural resources property ownership regimes in Africa.

**[9marks]**

- d) With the aid of a diagram describe in detail the sewage treatment process at Gimboki sewage treatment plant in Mutare. **[14 marks]**

### **Section B**

#### **Question 2**

Using example, describe the history of natural resource use and management in Africa.

**[20**

**marks]**

#### **Question 3**

Give a detailed description of the natural resources found in Nyanga National Park.

**[20**

**marks]**

#### **Question 4**

- a) Describe any four principles of Integrated Environmental Management.

**[8marks]**

- b) With the aid of a diagram, describe one of the following

- I. the IEM process or
- II. the cleaner production hierarchy.

**[12 marks]**

#### **Question 5**

Critically examine five challenges facing most CBNRM programmes in Africa and suggest possible solutions to these challenges. **[20 marks]**

**END OF EXAMINATION PAPER**