



*“Investing in Africa’s Future”*

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

**NESN 306: ENVIRONMENTAL AND ECOLOGICAL REHABILITATION**

**END OF FIRST SEMESTER EXAMINATION**

**NOVEMBER 2025**

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

**DURATION: 3 HRS**

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**INSTRUCTIONS**

Answer all questions in Section A and any **three** from Section B  
Section A carries **40 marks** and each question in Section B carries  
**20 marks**.

## **SECTION A: ANSWER ALL QUESTIONS [40MARKS]**

### **Question 1**

- a. Assuming you are an environmental management expert at Africa University, describe how you will apply any five ecological restoration principles for Mutare River restoration. **[20 marks]**
- b. Discuss using relevant examples, five causes of ecological degradation in your country. **[10 marks]**
- c. Highlight the impacts of ecological degradation. **[10 marks]**

## **SECTION B**

### **Question 2**

You are assigned as the project lead for a project to restore a degraded aquatic system, outline in detail the steps that one will have to follow when managing a degraded ecosystem. **[20 marks]**

### **Question 3**

Ecological restoration is much of a social process as it is a scientific process. Discuss. **[20 marks]**

### **Question 4**

Assuming you are an environmental manager in Africa, describe in detail any ecological restoration technique you will select to restore an abandoned mining area. **[20 marks]**

### **Question 5**

Describe the concept of phytoremediation and discuss its different types, advantages, and limitations, using relevant examples. **[20 marks]**

### **Question 6**

Using relevant examples, discuss how you would manage alien invasive species in your country. **[20 marks]**

**END OF EXAMINATION PAPER**