



"Investing in Africa's future"

**COLLEGE OF HEALTH AGRICULTURE AND NATURAL
SCIENCES**

NESN 206 ENVIRONMENTAL QUALITY MANAGEMENT

END OF FIRST SEMESTER EXAMINATION

APRIL 2026

LECTURER: MS M. C. KUREHWATIRA

DURATION: 3 HRS

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 **60 marks**.

SECTION A: Answer **all** questions from this section.

Question 1

The government in your country plans to expand commercial farming into a previously forested area to increase food production and exports.

As a sustainability advisor,

- a) Assess the potential impacts the development will have on soil quality, water resources, and biodiversity. **[20]**
- b) Discuss the importance of carrying out an environmental impact assessment before implementing the development. **[10]**
- c) Analyse the importance of stakeholder participation in this development. **[10]**

TOTAL MARKS FOR SECTION A **[40]**

SECTION B: Answer any **three** (3) questions from this section.

Question 2

Around the world, five major types of substances are released directly into the atmosphere in their unmodified forms in sufficient quantities to pose a health risk. These are commonly referred to as primary air pollutants. Discuss the impact of any four primary pollutants in Africa. **[20]**

Question 3

A food processing company has been discharging their wastewater into a nearby stream. Outline the steps you would take to conduct an environmental audit. **[20]**

Question 4

Integrated Environmental Management (IEM) is described as a framework for achieving harmony between development and the environment. Assuming you are an environmental management expert in your country, describe any five principles of IEM that will guide development. [20]

Question 5

- a. Describe the main characteristics of environmental management. [10]
- b. With the aid of a diagram describe the steps of the Environmental Management System (EMS) process [10]

Question 6

Discuss five the environmental quality problems in your community and suggest possible solutions to these problems. [20]

TOTAL MARKS FOR SECTION B [60]

END OF QUESTION PAPER!!!