



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES

SCHOOL OF AGRICULTURE AND NATURAL RESOURCE SCIENCES

DEPARTMENT OF NATURAL RESOURCES SCIENCES

QUALIFICATION: BACHELOR OF NATURAL RESOURCES MANAGEMENT	
QUALIFICATION CODE:	LEVEL: 8
COURSE CODE: INM821S	COURSE NAME: INTEGRATED ENVIRONMENTAL MANAGEMENT
DATE: JANUARY 2025	
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Dr Tendai Nzuma
MODERATOR:	Prof Hilton Ndagurwa

INSTRUCTIONS
1. Answer ALL the questions. 2. Write clearly and neatly. 3. Number the answers clearly.

PERMISSIBLE MATERIALS

1. Examination question paper
2. Answering book
3. Calculator and Ruler

THIS QUESTION PAPER CONSISTS OF 2 PAGES (Excluding this front page)

Question 1: Definition of Terms (10 x 2 marks = 20 marks)

Define the following terms and provide an example for each. Each definition is worth 1 mark, and each example is worth 1 mark.

a. Environmental Management Plan (EMP)

b. Biodiversity

c. Waste Management

d. Pollution

e. Carbon Footprint

f. Conservation

g. Rehabilitation

h. Sustainable Use

i. Renewable Energy

j. Climate Change Mitigation

Question 2: Short Answer Questions (20 marks)

a. Explain the significance of biodiversity in ecosystem stability. (10 marks)

b. What are the key steps involved in developing an Environmental Management Plan (EMP)? (10 marks)

Question 3: Short Answer Question (20 marks)

a. List five types of pollution and briefly explain their sources and impacts. (10 marks)

b. What are the benefits of renewable energy over non-renewable energy? (10 marks)

Question 4: Long Answer Case Study (40 marks)

Scenario:

A new coastal hotel development is proposed in Namibia, aiming to boost local tourism. The project is expected to generate jobs and economic growth but may also have significant environmental impacts, including habitat destruction, pollution from construction activities,

and pressure on local water resources. You are tasked with evaluating these impacts and proposing mitigation measures.

- a. Identify and describe three major environmental impacts of the hotel development. (15 marks)
 - b. Suggest mitigation measures for each of the impacts identified. (15 marks)
 - c. The hotel is expected to consume 200,000 litres of water per year. If the local water supply is already at its limit, propose a sustainable water management plan for the hotel. (10 marks)
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THE END

TOTAL MARKS: 100