



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

QUALIFICATION: BACHELOR OF NATURAL RESOURCE MANAGEMENT HONOURS (NATURE CONSERVATION)	
QUALIFICATION CODE: 07BNRS	LEVEL: 7
COURSE CODE: EMP721S	COURSE NAME: ENVIRONMENTAL MANAGEMENT PRINCIPLES
DATE: NOVEMBER 2022	
DURATION: 3 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Prof. M. Hauptfleisch Dr. T. Nzuma
MODERATOR:	Dr. P. Tarr

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

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

Question 1

Define the following terms, using examples:

- a) Acid mine drainage (2)
- b) Biodiversity offsets (2)
- c) Contaminant (2)
- d) Environmental impact (2)
- e) Ecological restoration (2)
- f) Environmental sustainability (2)
- g) Mitigation hierarchy (2)
- h) Pollution (2)
- i) Remediation (2)
- j) Restoration ecology (2)

[20]

Question 2

A construction project is planned near a residential area and a local school. Residents and teachers are concerned about the possible noise that will be emitted from the construction site.

Outline *management* controls that could reduce the impacts of noise emitted from the construction site. **[10]**

Question 3

(a) Identify climate change-linked pollutants emitted to the atmosphere and their sources. (15)

(b) Outline how the consequences of climate change can affect wildlife. (15)

[30]

Question 4

a) Examine the role of ecosystems services in environmental impact assessment (EIA) practice. (20)

b) What are the key challenges in integrating ecosystem services in environmental assessments? (20)

[40]

THE END

Total Marks: 100