



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY
OF SCIENCE AND TECHNOLOGY

FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES

DEPARTMENT AGRICULTURE AND NATURAL RESOURCES SCIENCES

QUALIFICATION : BACHELOR OF NATURAL RESOURCE MANAGEMENT HONOURS (NATURE CONSERVATION)	
QUALIFICATION CODE: 07BHNC	LEVEL: 7
COURSE: NATURE CONSERVATION ECOLOGY 3	COURSE CODE: NCE720S
SESSION: NOVEMBER 2019	PAPER: THEORY
DURATION: 3 (THREE) HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	MR. T. NZUMA
MODERATOR:	PROF. I. MAPAURE

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL the questions.2. Write clearly and neatly.3. Number the answers clearly.

PERMISSIBLE MATERIALS

1. All written work **MUST** be done in blue or black ink
2. No books, notes and other additional aids are allowed

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

Question 1 [25]

- 1.1 What is deforestation and forest degradation? [5]
- 1.2 What is the global extent of the problem? [5]
- 1.3 Is deforestation and forest degradation occurring within Namibia? [5]
- 1.4 What are the causes of deforestation and forest degradation? [5]
- 1.5 What are the negative impacts of deforestation? [5]

Question 2 [20]

- 2.1 Define sustainable development and discuss some of the key issues that are essential in such a process. [15]
- 2.2 Define an ecological footprint and what it measures. [5]

Question 3 [25]

- 3.1 Identify the problems and solutions highlighted by Hardin to the population problem and give your own solutions to each of the problems you have identified. [20]
- 3.2 Why is the pollution problem a tragedy of the commons? [5]
- 3.3 In the metapopulation model, do all populations show the same trend in abundance over time? Explain why this is so. [5]

Question 4 [30]

- 4.1 Describe any five environmental threats (except deforestation and forest degradation), and their potential causes in Namibia. [20]
- 4.2 What is an Environmental Impact Assessment (EIA)? [2]
- 4.3 Describe the importance of environmental management for Namibia. [3]
- 4.4 Describe how Earth Observation and GIS technologies can assist environmental management programs. [5]

THE END

Total Marks: 100