

FACULTY OF HEALTH, NATURAL RESOURCES AND APPLIED SCIENCES

SCHOOL OF AGRICULTURE AND NATURAL RESOURCE SCIENCES DEPARTMENT OF NATURAL RESOURCES SCIENCES

QUALIFICATION CODE: 08BNRH LEVEL: 8

COURSE CODE: ELR821S COURSE NAME: ECOLOGICAL RESTORATION

QUALIFICATION: BACHELOR OF NATURAL RESOURCES MANAGEMENT HONOURS

DATE: JANUARY 2025

DURATION: 3 HOURS **MARKS:** 75

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER		
EXAMINER(S)	Professor Theo Wassenaar	
MODERATOR:	Mrs Elbé Brunette	

INSTRUCTIONS

- 1. Answer all the questions.
- 2. Write neatly and clearly.
- 3. Mark all answers clearly with their respective question numbers.
- 4. All written work MUST be done in blue or black ink.
- 5. No books, notes and other additional aids are allowed.

PERMISSIBLE MATERIALS

- 1. Examination paper
- 2. Examination script

THIS QUESTION PAPER CONSISTS OF 1 PAGE (Excluding this front page)

QUESTION 1: [8 MARKS]

Discuss the meaning of ecological structure, function and composition, and explain how these properties of an ecosystem can be used in planning for restoration.

[2 MARKS]

Name two Namibian Acts that contain clauses that either explicitly underwrite and support ecological rehabilitation or restoration, or that strongly imply a role for restoration in promoting sustainable utilisation of natural resources.

List 5 o	TION 3: If the national strategies to address land degradation in Namibia, and briefly explentable in the properties of the national strategies to restoration.	[10 MARKS] ain what	
QUEST	TON 4:	[5 MARKS]	
Fill in t	the missing words in this list of steps that pertain to the seven key steps in the		
of a mo	onitoring programme.	[5]	
1.	Clearly define and,		
	Compile existing,		
3.		stions,	
4.	Prioritizing indicators,		
5.	,		
6.			
7.	Establish data management, andprocedures		
SECTIO	ON B: SHORT ESSAY QUESTIONS	[20 MARKS]	
	TION 5: In how you would use the National Drought Policy and Strategy in planning for	[10 MARKS] restoration.	
QUEST		[10 MARKS]	
	s the role and place of monitoring in an ecological restoration plan, emphasis aspects that are required to implement a monitoring plan.	ing the	
SECTIO	ON C: LONG QUESTIONS	[30 MARKS]	
QUEST	ION 7:	[30 MARKS]	
You are working for an NGO that is active in the development space. Your speciality is the			
	ical restoration of any kind of degraded land, you are given the following task		
	ation plan for a funder that wants to restore productivity to a degraded arid of		
angela	and. In this context, answer the questions below:		
i.	Define the concept of landscape rehydration, providing examples from y	our target	
	affected area, and explain how this concept can be used to achieve the c	client's	
	overall project goal of improved productivity. Include two risk factors that	at might	
	affect the likely outcome.	[10]	
ii.	Explain how you would define the ecological goal in the context of the te	en steps of	
	restoration planning and provide a draft ecological goal or goals.	[10]	
iii.	With reference to the restoration planning process flow, explain how yo	u would	
	determine the most feasible ecological tools to use in restoration.	[10]	