



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

QUALIFICATION: BACHELOR OF NATURAL RESOURCES MANAGEMENT HONOURS (NATURE CONSERVATION)	
QUALIFICATION CODE: 08BHNC	LEVEL: 8
COURSE CODE: RWM820S	COURSE NAME RANGELAND AND WILDLIFE MANAGEMENT B
DATE: JANUARY 2019	
DURATION: 3 HOURS	MARKS: 100

SECOND OPPORTUNITY QUESTION PAPER	
EXAMINER(S)	Dr. M.L. Hauptfleisch
MODERATOR:	Dr. G. Stuart-Hill

INSTRUCTIONS
<ol style="list-style-type: none">1. This is an open book exam2. Materials allowed: Laptops, books, notes

THIS QUESTION PAPER CONSISTS OF 3 PAGES (Including this front page)

Question 1:

1.1 Systems thinking and systems dynamics is an important discipline for explaining interconnectedness between ecological and social systems.

Discuss the above statement, and describe two examples where systems dynamics will be particularly useful.

(20)

1.2 Draw a systems model which shows the interactions between predators and prey.

(10)

[30]

Question 2:

With reference to the camera trap count, road strip count and aerial survey of Ongeama Game farm:

2.1 What wildlife management benefits did the game count have?

(10)

2.2 What did the game count not achieve? Why not? How could it have been improved to achieve this?

(10)

2.3 From the results of the game count, what recommendations would you make for improved wildlife counting on the game farm

(10)

[30]

Question 3:

3.1 What is root cause analysis, and why is it useful in conservation?

(6)

3.2 Redraw the table below, and conduct a root cause analysis for the problem of rhino poaching in Namibia using the four immediate causes as starting point. Also fill in two interventions per immediate cause in the last column to reduce the conflict.

<i>Immediate Cause</i>	<i>Underlying causes</i>	<i>Root causes</i>	<i>Interventions</i>
<i>Communities are giving information to poachers</i>			
<i>Rhinos are being poached on private farms</i>			
<i>Rhino horn is very valuable</i>			
<i>Rhinos are not being protected sufficiently in parks</i>			

(24)

[30]

Question 4:

Discuss how this course (Rangeland and Wildlife Management) will be useful to you when you enter or re-enter the field of conservation management next year.

[10]

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