



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES

DEPARTMENT NATURAL RESOURCES AND AGRICULTURAL SCIENCES

QUALIFICATION: Bachelor of Natural Resource Management (Nature Conservation)	
QUALIFICATION CODE: 07BNTC	LEVEL: 6
COURSE: Natural Resource Management 1	COURSE CODE: NRM612S
DATE: June 2019	SESSION: 08h00
DURATION: 3 (three) hours	MARKS: 150

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Ms. E. N. Nghalipo
MODERATOR:	Mr. R. Kavari

INSTRUCTIONS
<ol style="list-style-type: none">1. Answer ALL ten (10) questions.2. Read all questions carefully before answering.3. Number your answers clearly.4. Make sure your student number appears on the answering script.

PERMISSIBLE MATERIALS

1. Examination paper.
2. Examination script.
3. Calculator

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

general.

5.3 In which veld type is it less preferable to use fire and why? (2)

Question 6 [20]

6.1 What are the ecological consequences of bush encroachment/ thickening? (8)

6.2 Chopping is one of the methods to control bush encroachment. (12)
Discuss the economic, social and ecological impacts (both positive and negative) of using this method.

Question 7 [10]

In a table, compare differences between sweetveld and sourveld. (10)

Question 8 [12]

Grazing value refers to quantity and quality of grazing material. Name and clearly describe the six aspects of grazing value. (12)

[12]

Question 9

During a road strip count, visibility distance is recorded at 100m intervals and the distances are listed in the table below.

Sample	Width (m)
1	10
2	10
3	35
4	22
5	20
6	30
7	15
8	20
9	25
10	10

9.1 Explain the term Mean Strip Visibility (MSV). How is it measured in the field? (4)

9.2 During which types of wildlife surveys is the MSV used? (2)

9.3 Calculate the mean strip visibility from measurements that were taken in a study area and are listed in the table above. (2)

9.4 What is the length of the transect along which these measurements were taken? Show your calculations. (2)

9.5 What kind of vegetation type would you expect in this study area? (2)