



**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 (NATURE CONSERVATION)	
QUALIFICATION CODE: 07BNTC	LEVEL: 7
COURSE CODE: NCT620S	COURSE NAME: NATURE CONSERVATION TECHNIQUES 3
DATE: January 2019	
DURATION: 3 HOURS	MARKS: 150

SECOND OPORUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER	Mr. W.F. Adank
MODERATOR:	Mr. M. Britz

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

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

SECTION A – FIREARMS AND SHOOTING

Question 1:

- (a) You are appointed as manager of a new game ranch in the Tsumeb area and therefore responsible for equipping the anti-poaching team with rifles.
You need to name the rifle types and list the relevant advantages and disadvantages of each, in order to provide the rifles best suited to members of the anti-poaching team.
- (b) Motivate/discuss your final choice. (2)

Question 2:

The game ranch where you are employed is situated in open, flat country. You have a shoot-and-sell permit for Oryx and you are a good marksman.

Name your first choice of bullet placement and provide the advantages of your decision. (5)

Sub-total = [32]

SECTION B – HORSE CARE AND RIDING

Question 1:

List the benefits of grooming your horse on a regular basis. (8)

Question 2:

What are the main causes of lameness in one or more legs of a working horse? (4)

Question 3:

Provide the horse patrol procedures followed by Waterberg personnel. (11)

Sub-total = [23]

SECTION C – GAME UTILISATION

Question 1:

Briefly explain the shooting at night/night culling method of game harvesting. (5)

Question 2:

Briefly discuss the importance of shot placement during game harvesting for meat export.

(3)

Question 3:

What are the advantages of using the night culling/shooting at night as harvesting technique?

(5)

Sub-total = [13]

SECTION D – AERIAL GAME COUNTS

Question 1:

You have a six-seater, fixed-wing aircraft with wings mounted on top of the fuselage to your disposal to do an aerial game count.

Provide the status of each of the six team members.

Name and briefly discuss what is expected/required of each while flying and doing the game count.

(15)

Question 2:

You need to provide a list with brief explanations to the directors of the game farm in central Namibia where you are newly employed, regarding main factors that could possibly influence the countability of game from the air.

The directors have no knowledge of aerial game counts.

(14)

Sub-total = [29]

SECTION E –CAPTURE AND TRANSPORTATION OF GAME

Question 1:

You have noticed that the mortalities of game capture operations are unacceptably high. You have come to the conclusion that this is mainly due to stress factors during capture.

Name and explain, where applicable, the factors of importance to ensure reduced stress.

(18)

Question 2:

It is known that, whether a wild animal is confined alone or with other animals in a transport crate, it will be exposed to various stress factors during transport.

Name these factors.

(12)

Sub-total = [30]

SECTION F – FIRST AID

Question 1:

List the signs and symptoms of a heart attack.

(6)

Question 2

Name and briefly explain the three ways used to stop bleeding.

(6)

Question 3

List the signs and symptoms of shock.

(4)

Question 4

Provide the signs and symptoms of a stroke.

(7)

Sub-total = [23]

TOTAL [150]