



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF NATURAL RESOURCES AND SPATIAL SCIENCES

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES SCIENCES

QUALIFICATION: BACHELOR OF NATURAL RESOURCE MANAGEMENT	
QUALIFICATION CODE: 07BNTC	LEVEL: 7
COURSE CODE: NCT620s	COURSE NAME: NATURE CONSERVATION TECHNIQUES 3
SESSION: NOVEMBER 2019	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 150

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Mrs C D'Alton
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.

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 (excluding this front page)

SECTION A: Rifle Care and Marksmanship:

Question 1: Describe how you will clean and prepare your weapon when you must store it for a year or longer? **(9)**

Question 2: Give six golden rules of firearm safety. **(6)**

Question 3: Movement due to recoil is also known as "Jump". Name five factors affecting "jump?" **(5)**

SECTION B: Horsemanship:

Question 4: Horses become ill from time to time. Prevention is better than cure and vaccination can prevent some of these diseases.

- a) Name three conditions or illnesses horses are vaccinated against. **(3)**
- b) How often or when are horses vaccinated? **(3)**
- c) How do you in general care for a horse's medicine? **(3)**

Question 5: Write down at least ten good rules to adhere to when feeding horses. **(10)**

Question 6: What is a bay horse? **(1)**

SECTION C: Aerial Census:

Question 7: The use of aircraft in game census is important, although expensive to use.

- a) Name and describe the type of aircraft you will use during game counts. **(4)**
- b) What is the work of the pilot, except flying the aircraft? **(6)**
- c) Where does the recorder sit and what does his work entail? **(4)**
- d) How will you count large herds of animals? **(1)**

Question 8: The countability of game by air, are influenced by certain factors. Please describe how it is influenced by the following:

- a) Appearance of the animal **(3)**
- b) Strip width and flying speed **(3)**
- c) Wind **(3)**
- d) Cloud cover **(3)**
- e) Vegetation **(3)**

SECTION D: Game Capture

Question 9: Animals become very stressed during game capture operations. Keeping this in mind, how can you use the a) time of day, b) time of year, c) temperature and d) the weather in general, to help minimize stress? **(12)**

Question 10: Before a game capture, the capturer should visit the terrain and do an inspection to familiarize him/herself with the physical condition of the terrain. Which factors are important for him/her to consider? **(9)**

Question 11: Name the reasons for, and the advantages of, the use of chemical immobilization. **(12)**

Question 12: Name the symptoms of capture myopathy. **(10)**

Question 13: Capture drugs are very powerful and poisonous to humans. Even death can occur when you come into physical contact with these drugs. Name seven important precautions to take to prevent accidental contact, and what to do, when you are accidentally contaminated. **(7)**

SECTION E: Transportation

Question 14: When using mass crates to transport game, you have certain guidelines to consider making the crates safe for the animals. Discuss the guidelines for the following in full:

- a) Floor **(13)**
- b) Roof **(13)**

Question 15: Under which circumstances may you offload animals in the dark? **(4)**

Total: 150