



ΠΑΜΙΒΙΑ 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: NCT520s	COURSE NAME: NATURE CONSERVATION TECHNIQUES 2
SESSION: JANUARY 2020	PAPER: THEORY
DURATION: 3 HOURS	MARKS: 150

SUPPLEMENTARY / SECOND 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 3 PAGES (Including this front page)

Section A: Problem Animal Control:

Question 1: Cheetah are known to visit play trees often.

- a) What is a play tree and how will you identify it? (4)
- b) How will you establish a new play tree? (1)

Question 2: What is a jackal control camp and how do you go about establishing one? (15)

Question 3: Gin traps are mostly used to trap leopard. How will you set a gin trap for leopard, keeping the safety aspect in mind? (12)

Section B: Soil erosion:

Question 4: Prevention of soil erosion is better than cure. The challenge lies in prevention of wind erosion and sheet erosion. What are the four basic preventative measures? (4)

Question 5: The Universal Soil Loss Equation is used to calculate the expected soil loss under certain conditions. What does the following symbols mean? (4)

- a) A
- b) R
- c) K
- d) LS

Question 6: What damage is caused by streambank erosion? (5)

Question 7: Name and explain two ways to improve infiltration in the soil. (4)

Question 8: Keeping soil erosion in mind, how will you place water installations and why? (9)

Section C: Trophy preparation in the field:

Question 9: What important aspects of skinning must you keep in mind directly after shooting a trophy animal? (9)

Question 10: When skinning an animal for a shoulder mount, explain how you will continue skinning, after removing the head and hide from the rest of the carcass? (Two marks per point) (22)

Question 11: How will you process the hoof of a zebra for a client? (5)

Question 12: When preparing trophies for shipping, state whether the following statements are true or false?

- a) Skulls and horns that was prepared following the methods taught in your study guides, may be packed with the skins. (1)
- b) Skins should be packed in air-tight material, such as plastic, to preserve them on their long journey. (1)

Section D: Game census:

Question 13: Describe in full how you would conduct a drive count. (10)

Section E: Design and placement of waterholes:

Question 14: Explain why you would consider the following types of waterholes for your animals' watering needs:

- a) Weirs in rivers and streams (13)
- b) Artificial earth dam (11)
- c) A trough with a reservoir. (9)

Question 15: Name 6 general hints and practical advice with regards to the installation and maintenance of water supply on a nature reserve or lodge. (6)

Total: 150