

UNIVERSITY OF FORT HARE

Wildlife Ecology and Management AGP 426

DEGREE EXAMINATIONS

NOVEMBER 2024

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Time: 3 Hours

Subject: AGP 426

Marks: 100

This paper consists of 3 pages, including the cover page

Internal Examiners

Ms. Jama

External Examiners

Dr. M Kraai

INSTRUCTIONS

Answer ALL questions!

SECTION A: ECOLOGY

Question 1

Differentiate between abiotic and biotic factors and give examples **(5 Marks)**

Question 2

What is the difference between a habitat and a niche, and describe the three types of niche? **(10 Marks)**

Question 3

Population growth can be directly affected by resources available, list them. **(5 Marks)**

Question 4

List five important factors that influence population growth rate. **(5 Marks)**

Question 5

Name and define the main types of interspecific interactions. **(10 Marks)**

Question 6

Predator species become a successful because they learn strategies to hunt prey species. List five predator-prey strategies. **(5 Marks)**

SECTION B: WILDLIFE MANAGEMENT

Question 7

- | | |
|--|-----------|
| 7.1 Define the term "Wildlife" | (2 Marks) |
| 7.2 What is the value of wildlife? | (4 Marks) |
| 7.3 List and define three threats to wildlife? | (9 Marks) |

(15 Marks)

Question 8

Wildlife species have basic requirements in order to survive in their habitats, list and discuss some of these basic survival needs. **(10 Marks)**.

Question 9

Extensive wildlife production systems are self-sustaining, wildlife management systems with minimal human intervention.

9.1 How is wildlife managed in this system? (2 Marks)

9.2 What is the benefit of this system to conservation and the economy? (4 Marks)

9.3 Name and define three sources of income associated with this wildlife system? (9 marks)

(15 Marks)

Question 10

Community-based wildlife management

10.1 What is community-based wildlife management ?

(5 Marks)

10.2 Why was this concept developed?

(5 Marks)

10.3 What are its benefits and challenges?

(10 Marks)

(20 Marks)

