



1ST SEM. 2014/2015

**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

PROGRAMME: B.Sc. ANIMAL SCIENCE III

COURSE CODE: AS 306

TITLE OF PAPER: PRINCIPLES OF WILDLIFE MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS, TWO (2) QUESTIONS
FROM EACH SECTION**

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THE CHIEF INVIGILATOR**

SECTION A**QUESTION 1**

(a) Define the following terms commonly used in wildlife management circles:

- (i) Wildlife (2)
- (ii) Ecology (2)
- (iii) Biodiversity (2)
- (iv) Estivation (2)
- (v) Subsistence poaching (2)
- (vi) Reclaimed species (2)
- (vii) Endangered species (2)
- (viii) Ruminant animal (2)
- (ix) Population structure (2)
- (x) Solitary animal (2)

(20 Marks)

(b) List any **five (5)** national parks responsible for wildlife conservation in Swaziland.

(5 Marks)

QUESTION 2

(a) The economic benefit of wildlife has changed from what it used to be during early human development when plants and animals were used only as a source of food, clothing and shelter. Discuss how conservation of wildlife in the modern era can be of economic benefit to Swaziland.

(20 Marks)

(b) List any **five (5)** strategies of wildlife preservation that can be used in order to maintain a balanced wildlife system or proper ecological balance within an area, as well as surrounding areas.

(5 Marks)

QUESTION 3

Describe the key habitat requirements of wild animals.

(25 Marks)

SECTION B

QUESTION 1

Write short notes on:

- (a) Carrying capacity **(5 Marks)**
- (b) Characteristics of an ecosystem **(5 Marks)**
- (c) Control of Foot and Mouth disease **(5 Marks)**
- (d) Clinical signs of Anthrax **(5 Marks)**
- (e) Control of game diseases **(5 Marks)**

QUESTION 2

Write short notes on:

- (a) Management of declining wild animal species **(15 Marks)**
- (b) Animal capture methods **(10 Marks)**

QUESTION 3

Explain and/ or describe the following:

- (a) Environmental resistance **(5 Marks)**
- (b) Clinical signs of FMD **(5 Marks)**
- (c) Bush control methods **(10 Marks)**
- (d) Methods of using game for meat **(5 Marks)**