



UNIVERSITY OF SWAZILAND

First SEM. 2015/2016

FINAL EXAMINATION PAPER

PROGRAMME: BSc. AGRICULTURAL EDUCATION YEAR 3, BSc. ANIMAL SCIENCE YEAR 3 AND BSc. ANIMAL SCIENCE (DAIRY OPTION) YEAR 3

COURSE CODE: AS 306

TITLE OF PAPER: PRINCIPLES OF WILDLIFE MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER FOUR (4) QUESTIONS.

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR.

QUESTION 1

Compare and contrast the traditional role of hunting in the country with other wild life management models elsewhere. (25 Marks)

QUESTION 2.

Discuss the decimating factors and the lack of welfare factors influencing the carrying capacity and the biotic potential of an environment. (25 Marks)

QUESTION 3.

Write short notes on the following;

- a. Leopard (*Panthera pardus*) (7 Marks)
- b. African elephant (*Loxodonta affricana*) (8 Marks)
- c. African rock python (*Python sebae natalensis*) (5 Marks)
- d. Ostritch (*Struthio camelus*) (5 Marks)

QUESTION 4:

Describe and explain the following Wildlife Terminology;

- a) Commensalism (5 Marks)
- b) Mutualism (5 Marks)
- c) Carrying capacity (5 Marks)
- d) Relationships between wildlife and humans (4 Marks)
- e) Limiting factors of potential wildlife productivity (6 Marks)

QUESTION 5:

Write short notes on the following;

- a. Anthrax. (10 Marks)
- b. Foot and Mouth Disease. (15 Marks)