



UNIVERSITY OF SWAZILAND

First SEM. 2016/2017

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 ANY FOUR (4) QUESTIONS.

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

QUESTION 1

Write short notes on the following:

- a. Impala (*Aepyceros melampus*) (5 Marks)
- b. Black Rhinoceros (*Diceros bicornis*) (5 Marks)
- c. Giraffe (*Giraffa camelopardalis*) (5 Marks)
- d. Ostrich (*Struthio camelus*) (5 Marks)
- e. Warthog (*Phacochoerus aethiopicus*) (5 Marks)

QUESTION 2

You are employed as a government Wildlife Animal Health Officer, describe and explain how you would solve the following wildlife related problems.

- a) A Black Backed Jackal (*Canis mesomelas*) that has been killing chickens and attacking dogs and humans. (5 Marks)
- b) A herd of four African Buffaloes (*Syncerus caffer*) that has been repeatedly escaping from the nearest Game Reserve and found grazing with domestic cattle. (12 Marks)
- c) A warthog (*Phacochoerus aethiopicus*) that has been attacking and wounding the UNISWA beef herd on the university farm. (8 Marks)

QUESTION 3

- a. Discuss the hunter's role in wildlife conservation. (15 Marks)
- b. Describe an outline of hunting regulations. (10 Marks)

QUESTION 4

Define and explain the following Wildlife Terminology, give examples to illustrate your answer:

- a) Endangered species (2 Marks)
- b) Threatened species (4 Marks)
- c) Carrying capacity (5 Marks)
- d) Wildlife species interactions (8 Marks)
- e) Limiting factors of potential wildlife productivity (6 Marks)

QUESTION 5

Write short notes on the following:

- a. Control of anthrax in wild animals.
- b. Clinical signs and control of rabies in wild animals.

(10 Marks)

(15 Marks)

END OF QUESTION PAPER.