

2ND SEM. 2004/2005

PAGE 1 OF 2

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION

PROGRAMME:

DIPLOMA IN AGRICULTURE

DIPLOMA IN AGRICULTURE EDUCATION

YEAR III

COURSE CODE:

APH 303

TITLE OF PAPER:

SMALL RUMINANT PRODUCTION

TIME ALLOWED:

TWO (2) HOURS

INSTRUCTIONS:

ANSWER ANY 4 QUESTIONS.

DO NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR.

QUESTION 1

Discuss the factors that affect age at which puberty is attained in small ruminants.

(25 marks)

QUESTION 2

a). Define reproductive rate in small ruminants.

(2 Marks)

b). Discuss the factors that affect reproductive rate.

(15 Marks)

c). What is estrus synchronization? Explain two methods you would use to synchronize a flock of ewes. (8 Marks)

QUESTION 3

Discuss the reproductive disorders likely to be found in rams and explain how they would affect their breeding ability. (25 marks)

QUESTION 4

What are the factors that limit the productivity of small ruminants in Swaziland? Discuss possible solutions to these limiting factors. (25 marks)

QUESTION 5

- a). What are the main causes of kid mortality in a flock of goats? Discuss the measures you may take to reduce kid mortality. (20 marks)
- b). List the measures of reproductive performance in small ruminants.

(5 Marks)