



UNIVERSITY OF SWAZILAND
SUPPLEMENTARY EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN ANIMAL
SCIENCE III**

COURSE CODE: APH 306

TITLE OF PAPER: REPRODUCTION PHYSIOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.

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GRANTED BY THE INVIGILATOR**

QUESTION 1

Parturition can be divided into three stages. Discuss parturition under these stages including signs that parturition is close.
(25 marks)

QUESTION 2

Discuss the stages of mammary gland development and the hormones that influence each stage of development. (25 marks)

QUESTION 3

- a) What factors would you measure or evaluate to estimate the breeding capacity of a male? (12 marks)
- b) What are the major functions of semen extenders and what types of compounds do we use to carry out these functions?
(13 marks)

QUESTION 4

During semen collection the quality of the ejaculate depends on whether proper collection procedures were followed and safety is critical when designing the collection facility. Discuss the above statement. (25 marks)

QUESTION 5

- a) What are the functions of the epididymis and what changes do sperm undergo as they pass through the epididymis?
(15 marks)
- b) Highlight main differences between colostrum and milk. (10 marks)