



1st SEM. 2020/2021

**UNIVERSITY OF ESWATINI
SPECIAL ASSESSMENT PAPER**

PROGRAMME: B.Sc. ANIMAL SCIENCE YEAR 3
B.Sc. ANIMAL SCIENCE (DAIRY
OPTION) YEAR 3

COURSE CODE: ASC307

TITLE OF PAPER: REPRODUCTIVE PHYSIOLOGY

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

Discuss the relationship between the hypothalamic releasing hormones, gonadotropins and ovarian hormones in regulating reproductive function in the female.

(25 Marks)

QUESTION 2

- a) Describe hormonal changes that control parturition and their significance. **(20 Marks)**
- b) Describe events that happen just prior to parturition. **(5 Marks)**

QUESTION 3

Discuss embryo and fetal development during the gestation period.

(25 Marks)

QUESTION 4

Describe sperm capacitation.

(25 Marks)

QUESTION 5

Discuss parturition in the cow including the hormones involved in this process. **(25 Marks)**