



UNIVERSITY OF ESWATINI

1ST SEM. 2018/2019

RE-SIT EXAMINATION PAPER

PROGRAMME: BSc. AGRICULTURAL EDUCATION YEAR 2, BSc. ANIMAL SCIENCE YEAR 2 AND BSc. ANIMAL SCIENCE (DAIRY OPTION) YEAR 2

COURSE CODE: ASC207

TITLE OF PAPER: ANATOMY AND 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 ONE:

- a. List the stages of parturition. (9 Marks)
- b. Describe the factors that influence puberty. (9 Marks)
- c. Differentiate between puberty and sexual maturity. (7 Marks)

QUESTION TWO:

Write short notes on:

- i. Autonomic reflexes. (5 Marks)
- ii. A pneumatic bone. (5 Marks)
- iii. Classification and function of Axons or nerve fibres. (5 Marks)
- iv. Autonomic Peripheral Nervous Systems. (10 Marks)

QUESTION THREE:

- a. Define the following anatomy terms;
 - a. Body Planes, give examples. (3 Marks)
 - b. Descriptive terms, give examples. (3 marks)
 - c. The cranial and the caudal surfaces of both front and hind limbs. (9 Marks)
- b. Describe the sagittal Plane, give an example of its practical use. (5 Marks)
- c. List the components of the Axial and the Appendicular skeleton. (5 Marks)

QUESTION FOUR:

- i. Copy this table onto your answer book and complete it by filling your answers in the empty boxes.

(20 Marks)

Hormone	Source	Function
Adrenaline		
Estrogen		
Prolactin		
Testosterone		
Calcitonin		
Parathyroid hormone		
Oxytocin		
Antidiuretic hormone		
Thyroxine		
Progesterone		

- ii. Write short notes on the term "Alveolus/Alveoli".

(5 Marks)**QUESTION FIVE**

- a) Draw and label a diagram of the gross anatomy of a synovial joint.

(10 Marks)

- b) Define the following terms:

(5 Marks)

1. Rigor mortis
2. Conversion of muscle to meat.

- c) Describe the stages in the healing of a bone fracture.

(10 Marks)**END OF QUESTION PAPER.**