



**UNIVERSITY OF SWAZILAND**

**1<sup>ST</sup> SEM. 2016/2017**

**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: AS201/ASC 207**

**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. Describe the layers of an animal skin. **(9 Marks)**
- b. Describe the primary functions of the animal skin. **(10 Marks)**
- c. List three (3) applied uses of an animal skin. **(6 Marks)**

**QUESTION FOUR:**

Write short notes on the following;

- a. Bone growth and homeostasis. **(12 Marks)**
- b. The Pharynx and the Larynx. **(13 Marks)**

**QUESTION FIVE**

- a) Draw and label a diagram of the gross anatomy of a synovial joint. **(10 Marks)**
- b) Define the following terms: **(10 Marks)**
1. Cranial.
  2. Rostral.
  3. Caudal.
  4. Dorsal.
  5. Ventral
- c) Explain and give examples of where knowledge of the above terms could be useful. **(5 Marks)**

**END OF QUESTION PAPER.**