



2<sup>nd</sup> SEM. 2015/2016

PAGE 1 OF 2

**UNIVERSITY OF SWAZILAND**  
**FINAL EXAMINATION PAPER**

**PROGRAMME:**           **BACHELOR OF SCIENCE IN**  
                                  **ANIMAL SCIENCE YEAR II AND**  
                                  **BACHELOR OF SCIENCE IN ANIMAL**  
                                  **SCIENCE (DAIRY OPTION) YEAR II**

**COURSE CODE:**           **ASC 102 / AS 203**

**TITLE OF PAPER:** **INTRODUCTION TO ANIMAL SCIENCE**

**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**

Describe productivity indicators that you would consider when comparing beef cattle production on Swazi Nation Land (SNL) with Title Deed Land (TDL). Explain the factors that are responsible for the difference in productivity between SNL and TDL. (25 Marks)

**QUESTION 2**

A farmer has bought what used to be a beef cattle farm many years ago. All the facilities in the farm are gone and the new owner has asked you to advise him on the facilities he needs to construct in order to efficiently manage his animals. Describe and justify the facilities you would advise the new owner to develop on the farm. (25 Marks)

**QUESTION 3**

- a) Describe **THREE** methods of marketing pigs and indicate the commonly utilised method when selling pigs in Swaziland. (10 Marks)
- b) Some pigs producers prefer to wean piglets early. Describe the benefits of early weaning of piglets in confinement pig operations. (15 Marks)

**QUESTION 4**

Discuss the traits and standards that are critical in selecting replacement and boars for improved productivity in a piggery. (25 Marks)

**QUESTION 5**

- a) Why is feed preparation and processing important in livestock production? (10 Marks)
- b) Discuss the following grain processing methods: grinding, pelleting, popping. (15 Marks)