



**UNIVERSITY OF ESWATINI**  
**FINAL EXAMINATION PAPER**  
**2<sup>nd</sup> SEMESTER 2018/2019**

**PROGRAMME:** B. Sc. ANIMAL SCIENCE YEAR 1

**COURSE CODE:** ASC 102

**TITTLE 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**

A farmer has bought a piece of land and plans to establish a beef cattle ranch. The farmer has hired you to advise him on facilities he needs to construct in order to efficiently manage his herd. Give a detailed account of the facilities required. **(25 Marks)**

**QUESTION 2**

Discuss the direct and indirect effects of tropical conditions on livestock productivity in the tropics. **(25 Marks)**

**QUESTION 3**

- a) Discuss the productivity indicators that are considered when comparing beef cattle production on Eswatini National Land (ENL) compared private ranches. **(15 Marks)**
- b) Explain the factors that are responsible for the difference in productivity between the two systems in (a). **(10 Marks)**

**QUESTION 4**

Describe the pig management techniques that are routinely performed in a piggery including their significance in pig production. **(25 Marks)**

**QUESTION 5**

- (a) Describe the physical and production characteristics of the common pig breeds found in Eswatini. **(15 Marks)**
- (b) Discuss the importance of the creep area in raising of young piglets. **(10 Marks)**