



**1<sup>st</sup> SEM. 2019/2020**

**UNIVERSITY OF ESWATINI**

**FINAL EXAMINATION PAPER**

**PROGRAMME:**

**B.Sc. ANIMAL SCIENCE YEAR IV  
B.Sc. ANIMAL SCIENCE YEAR (DAIRY  
OPTION) IV**

**COURSE CODE:**

**ASC213**

**TITTLE OF PAPER:**

**LIVESTOCK AND THE ENVIRONMENT**

**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 livestock production challenges facing the world now and over the next decades

**(25 Marks)**

**QUESTION 2**

A company intends to construct an abattoir that will slaughter two hundred animals per day. The company has asked you to design a waste management facility to handle the effluent from the abattoir. Explain how you would go about doing the assignment including other professionals you would consult in carrying out the task.

**(25 Marks)**

**QUESTION 3**

The majority of countries in the world are water stressed and the role of livestock production in water depletion and pollution has exacerbated this problem. Describe how livestock production systems influence water depletion and pollution.

**(25 Marks)**

**QUESTION 4**

The environmental impacts of mixed versus industrial livestock systems are different. Characterise these systems and explain why their impacts on the environment differ.

**(25 Marks)**

**QUESTION 5**

Global climate change issues have dominated international conversations for a number of years. Define climate change and discuss major issues that have made climate change to be at the top of global affairs.

**(25 Marks)**