



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

**UNIVERSITY OF ESWATINI**

**FINAL EXAMINATION PAPER**

**PROGRAMME: BSc . ANIMAL SCIENCE (DAIRY OPTION YEAR 4)**

**COURSE CODE: ASD403**

**TITLE OF PAPER: DAIRY ANIMAL PRODUCTION**

**TIME ALLOWED: TWO (2) HOURS**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN**

**QUESTION 1**

Masundvwini dairy farm noted that most of its lactating cows experience drastic drop in milk yield after reaching peak. Discuss the possible causes of this phenomenon and its economic impact on the dairy enterprise. **(25 Marks)**

**QUESTION 2**

Describe the dairy industry in Eswatini highlighting challenges, recent achievements and potential development strategies. **(25 Marks)**

**QUESTION 3**

From the 1930s to the 1970s, the focus of selection was solely on increasing milk production. Write short notes on how the following traits have contributed to the recent transformation of the dairy cattle industry.

- a) Longevity **(8 Marks)**
- b) Fertility **(8 Marks)**
- c) Workability **(9 Marks)**

**QUESTION 4**

A recently established dairy farm witnessed aggressive behaviour of its farm workers towards the milking herd on their way to the milking parlour. Discuss the impact of its behaviour on the milk production and income of the dairy enterprise. **(25 Marks)**

**QUESTION 5**

Describe the common dairy production systems found in Eswatini. **(25 Marks)**