



2nd SEM. 2016/2017

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: B.Sc. ANIMAL SCIENCE (DAIRY
OPTION) III**

COURSE CODE: ASD 303

TITLE OF PAPER: DAIRY PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY 4 QUESTIONS.

**THIS PAPER SHOULD NOT BE OPENED UNTIL THE CHIEF
INVIGILATOR HAS GRANTED PERMISSION.**

QUESTION 1

Milk production in Swaziland is low, but it can be improved. Discuss. (25 Marks)

QUESTION 2

A farmer who has no land for pasture establishment wishes to venture in dairy farming and seeks advice on the production system that will be suitable for him. Discuss the three dairy farming systems and with justifications recommend one that will be suitable for him. (25 Marks)

QUESTION 3

Write short notes on the following:

- a. Milk fever (15 Marks)
- b. Maintaining the one year calving interval in dairy cows. (10 Marks)

QUESTION 4

A number of hormones play different roles on mammary function during lactation. List FIVE (5) of such hormones, stating the role of each and where it is secreted. (25 marks)

QUESTION 5

Discuss the following non-invasive approaches to manipulation of dairy animal performance.

- a. Milking frequency (16 marks)
- b. Feeding during milking (9 marks)