



2nd SEM. 2017/2018

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY 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 FOUR (4)
QUESTIONS.**

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

QUESTION 1

Briefly describe manipulation of dairy cow performance through the use of exogenous growth hormones and explain the metabolic effects of these growth hormones.

(25 marks)

QUESTION 2

With the help of a diagram, briefly discuss dairy waste management.

(25 marks)

QUESTION 3

Discuss how the following factors affect milk yield and composition:

- a. Season of calving
- b. Genetics
- c. Age

(10 marks)

(8 marks)

(7 marks)

QUESTION 4

Discuss the feeding of dairy calves from birth to weaning.

(25 marks)

QUESTION 5

Mastitis is the most serious disease affecting dairy cows. Discuss the THREE (3) types of mastitis and state how each one can be controlled.

(25 marks)