



2ND SEM. 2006/2007

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: B. Sc. AGRICULTURE YEAR IV, APH
AND AEM OPTIONS;
B.Sc. AGRICULTURAL EDUCATION
YEAR IV

COURSE CODE: APH 408

TITLE OF PAPER: DAIRY PRODUCTION AND
TECHNOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY 4 QUESTIONS.

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

QUESTION 1

Discuss mammogenesis in dairy animals.

(25 Marks)

QUESTION 2

Outline the butter production process in dairy technology

(25 Marks)

QUESTION 3

Illustrate and describe the pathway for the origin of milk triacylglyceride **(25 Marks)**

QUESTION 4

In Mr. Maseko's dairy farm the milk fat is very low yet the milk yields are also low. What are the possible causes for this rare phenomenon and what corrective measures can you recommend?

(25 Marks)

QUESTION 5

Describe and illustrate the fermentation of lactose into various to organic compounds

(25 Marks)