



**2005/2006**

**UNIVERSITY OF SWAZILAND**

**SUPPLEMENTARY 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 persistency of lactation.

**(25 Marks)**

**QUESTION 2**

Discuss the effect of nutrition on milk yield and composition.

**(25 Marks)**

**QUESTION 3**

Explain and illustrate the synthesis of milk triacylglycerides.

**(25 Marks)**

**QUESTION 4**

Explain and outline the requirements of a fermentation process.

**(25 Marks)**

**QUESTION 5**

Discuss how you can produce ice cream for the local market.

**(25 Marks)**