

2007/2008

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME:

BACHELOR OF SCIENCE IN ANIMAL

SCIENCE AND BACHELOR SCIENCE

IN AGRICULTURAL EDUCATION

YEAR IV

COURSE CODE:

APH 404

TITLE OF PAPER:

DAIRY 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

Compare and contrast acid and sweet cheese

(25 Marks)

QUESTION 2

Discuss antibiotics in consumer milk under the following topics:

a)	Sources	(6 Marks)
b)	Reasons for prohibition	(12 Marks)
c)	Preventive measures	(7 Marks)

QUESTION 3

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

(25 Marks)

QUESTION 4

Briefly describe the following organisms and discuss their significance in dairy technology.

a)	Saccharomyces cerevicie	(5 Marks)
b)	Salmonella enteritidis	(5 Marks)
c)	Lactobacillus delbruikii ssp bulgaricus	(5 Marks)
d)	Penicilium roquefeti	(5 Marks)
e)	Mycohacterium hovis	(5 Marks)

QUESTION 5

Discuss the structure and chemistry of the milk fat globule

(25 Marks)