

UNIVERSITY OF SWAZILAND 2ND SEM. 2016/2017

FINAL EXAMINATION PAPER

PROGRAMME:

B. Sc. ANIMAL SCIENCE DAIRY OPTION YEAR IV

COURSE CODE: ASD 204/ASD 403

TITLE OF PAPER: MILKING AND MILK HYGIENE

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY 4 QUESTIONS.

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR

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QUESTION 1

Describe and illustrate the major anatomical differences amongst the mammary glands of the dairy sheep, dairy goat and dairy cow.

(25 Marks)

QUESTION 2

Discuss the developments and innovations in dairy milking systems.

(25 Marks)

QUESTION 3

Discuss three types of unhygienic milk and explain reasons why the unhygienic milk should not be mixed with saleable milk.

(25 Marks)

QUESTION 4

Write brief notes about the following:

a)	Herringbourne parlours	
	CMT	(8 Marks)
	Dye reduction tests	(5 Marks)
-)) 2 jo reduction tests	(12 Marks)

QUESTIONS 5

Discuss in detail three types of mastitis found in dairy herds, under the following headings: causal organisms, transmission, herd affected and control strategies.

(25 Marks)