

1ST SEM. 2020/21

UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

PROGRAMME:

B.Sc. ANIMAL SCIENCE DAIRY OPTION YEAR 4

COURSE CODE:

ASD401

TITLE OF PAPER:

DAIRY BIOTECHNOLOGY AND BIOSAFETY

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	
During the artificial insemination process, discuss semen processing	, and the second
and storage.	(25 Marks)
QUESTION 2	CHAPMEN STRUCKS IN
Discuss the advantages and disadvantages of embryo transfer in dairy	
production.	(25 Marks)
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QUESTION 3	
Explain recombinant DNA technology and discuss the justifications	
and concerns regarding its adoption.	(25 Marks)
QUESTION 4	
During yoghurt fermentation, describe and illustrate Lactobacillus delbrueckii	
subsp. bulgaricus growth phases and metabolite production.	(25 Marks)
QUESTION 5	and of the publication program of the control of th
Outline the steps to be followed prior to the introduction of living modified	
organisms into the country.	(25 Marks)
	1) Apply philosopous majorini.