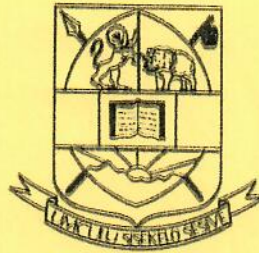


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1ST SEM. 2018/2019

UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

PROGRAMME: B.Sc. ANIMAL SCIENCE (DAIRY
OPTION) YEAR IV

COURSE CODE: ASD403

TITLE OF PAPER: DAIRY PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS.

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

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QUESTION 1

Discuss the following traits of economic importance in dairy cattle:

- a. Reproductive efficiency.
- b. Persistency of lactation.
- c. Age at first calving.

(12 marks)

(6 marks)

(7 marks)

(25 Marks)

QUESTION 2

Discuss the three (3) groups of mammals and explain why only one group has been developed for milk production.

(25 Marks)

QUESTION 3

Explain briefly five (5) reasons why milk production is lowest in developing countries compared to the developed world and give five (5) ways in which milk production can be improved in ESwatini.

(25 Marks)

QUESTION 4

In developing countries, the most dominant production system is the grazing system. Describe this system, including the advantages and disadvantages; and explain how milk production can be improved in this system.

(25 Marks)

QUESTION 5

Write short notes on the following:

- a. Milk hold-up and explain why the site of the building and cow traffic routes should be considered when planning a new milking facility.
- b. Udder hygiene and care

(15 Marks)

(10 Marks)

(25 Marks)