



2nd SEM. 2017/2018

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: B.Sc. ANIMAL SCIENCE (DAIRY
OPTION) I**

COURSE CODE: ASD102

**TITLE OF PAPER: INTRODUCTION TO DAIRY
SCIENCE**

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

Using illustrations, discuss different strategies in which dairy meal can be fed to dairy cows.

(25 marks)

QUESTION 2

Discuss briefly the following:

- a. Importance of dairying **(12 marks)**
- b. Mastitis control in the dairy herd **(8 marks)**
- c. Importance of oestrus detection in dairy production **(5 marks)**

QUESTION 3

a. Describe five (5) factors to consider when choosing a dairy breed. **(15 marks)**

b. Outline the classification and position of dairy cattle in the zoological scheme. **(10 marks)**

QUESTION 4

Discuss the distinguishing characteristics of a dairy breed with the highest milk yield and the breed which yields the highest milk fat. With justification, which breed would be recommended to farmers in the Highveld region of Swaziland?

(25 marks)

QUESTION 5

Write short notes on the following:

- a. Performance of dairy cows under tropical environment. **(15 marks)**
- b. The ideal year of a dairy cow. **(10 marks)**