



2nd SEM. 2018/2019

UNIVERSITY OF ESWATINI

FINAL EXAMINATION PAPER

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

Under the domestication of farm animals;

- a. Define taming. **(5 Marks)**
- b. Explain five (5) points for the importance of domesticating animals. **(10 Marks)**
- c. Briefly describe the historical background of domesticating cattle. **(10 Marks)**

QUESTION 2

Discuss briefly the following:

- a. Differences between *Bos taurus* and *Bos indicus* breeds of cattle. **(15 Marks)**
- b. Genetic improvement of the dairy herd. **(10 Marks)**

QUESTION 3

A farmer wants to start a dairy farm. Before he starts, advise him on the aspects to consider for successful dairying.

(25 Marks)**QUESTION 4**

Dairy goat farming is one of the developing enterprises in the Kingdom of Eswatini.

- a. Explain five (5) importance of goats. **(10 Marks)**
- b. Differentiate between the Saanen and the Nubian dairy goats. **(15 Marks)**

QUESTION 5

Write short notes on the following:

- a. Mastitis control. **(15 Marks)**
- b. Pre-milking procedures. **(10 Marks)**