



2nd SEM. 2015/2016

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: B. Sc. ANIMAL SCIENCE, DAIRY
OPTION I AND B. Sc. ANIMAL
SCIENCE, DAIRY OPTION II**

COURSE CODE: ASD 201/102

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

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY 4 QUESTIONS.

**THIS PAPER SHOULD NOT BE OPENED UNTIL THE CHIEF
INVIGILATOR HAS GRANTED PERMISSION.**

QUESTION 1

- a) Discuss the brief history of dairy cattle domestication **(13 Marks)**
- b) Outline the position of the dairy cow in the zoological scheme **(12 Marks)**

QUESTION 2

Describe the significance and identification of the following in the dairy herd:

- a) heat period **(10 Marks)**
- b) dry period **(5 Marks)**
- c) mastitis **(10 Marks)**

QUESTION 3

Explain the procedures and reasons for carrying out the following dairy practices:

- a) Herd identification **(8 Marks)**
- b) Dairy calf feeding with milk replacer **(10 Marks)**
- c) Dehorning **(7 Marks)**

QUESTION 4

Discuss and illustrate the concept of compensatory growth in cattle. **(25 Marks)**

QUESTION 5

Outline the dairy milking chain for a typical commercial enterprise. **(25 Marks)**