



**2<sup>nd</sup> SEM. 2010/2011**

**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

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

**COURSE CODE: ASD 201**

**TITLE OF PAPER: ORIENTATION 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**

Briefly discuss any 4 dairy farming systems and explain the system that is followed in Swaziland.

**(25 Marks)**

**QUESTION 2**

Discuss how you can address the problem of winter feed shortages for dairy animals on Swazi Nation Land.

**(25 Marks)**

**QUESTION 3**

Explain the uses and importance of the following in dairy production:

- a. Strip cup **(4 Marks)**
- b. Teat dip **(3 Marks)**
- c. Colostrum **(10 Marks)**
- d. The scooped dehorner **(4 Marks)**
- e. The hot branding iron **(4 Marks)**

**QUESTION 4**

- a) Describe and illustrate the concept of compensatory growth in dairy heifers on Swazi Nation Land. **(15 Marks)**
- b) Outline the classification and position of the dairy cattle in the zoological scheme. **(10 Marks)**

**QUESTION 5**

Discuss five major differences between dairy production in the developed world and the underdeveloped world.

**(25 Marks)**