



1ST SEM. 2017/2018

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

PROGRAMME: B. Sc. ANIMAL SCIENCE &
ANIMAL SCIENCE DAIRY OPTION
II

COURSE CODE: ASC213

TITLE OF PAPER: LIVESTOCK AND THE
ENVIRONMENT

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

Discuss FIVE (5) environmental risks associated with mobile and sedentary grazing systems and explain how each risk can be mitigated. **(25 Marks)**

QUESTION 2

Describe the following:

- a. FIVE (5) factors influencing water requirement by livestock. **(15 Marks)**
- b. Livestock adaptation practices that can be developed for resource poor farmers. **(10 Marks)**

QUESTION 3

Discuss the direct and indirect release of carbon to the atmosphere. **(25 Marks)**

QUESTION 4

Livestock activities may cause losses on biodiversity. Discuss. **(25 Marks)**

QUESTION 5

Discuss the mitigation of livestock's impact on biodiversity. **(25 Marks)**