



1ST SEM. 2016/2017

UNIVERSITY OF SWAZILAND

RE-SIT EXAMINATION PAPER

PROGRAMME:

B. Sc. ANIMAL SCIENCE AND ANIMAL SCIENCE DAIRY OPTION YEAR II

COURSE CODE:

ASC213

TITLE OF PAPER: LIVESTOCK AND THE ENVIRONMENT

TIME ALLOWED:

TWO (2) HOURS

INSTRUCTIONS:

ANSWER ANY 4 QUESTIONS.

DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY THE CHIEF INVIGILATOR

QUESTION 1

Briefly discuss the following:

a. The steps involved in the development and implementation of the National Biodiversity Strategy.

(15 Marks)

b. Enteric fermentation in relation to climate change.

(10 Marks)

(25 marks)

QUESTION 2

Write short notes about:

a. Policy challenges for livestock production and conservation of biodiversity

(15 Marks)

b. How agricultural activities may disrupt biodiversity

(10 Marks)

(25 Marks)

QUESTION 3

Discuss the risks and opportunities associated with ruminant feedlot production.

(25 Marks)

QUESTION 4

Discuss how you can mitigate greenhouse gas (GHG) emission at the UNISWA dairy farm through improved feeding and waste management.

(25 Marks)

QUESTION 5

Discuss FIVE National Biodiversity Strategies that have implication for livestock production in Swaziland.

(25 Marks)