



2nd SEM. 2013/2014

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

**PROGRAMME: BACHELOR OF SCIENCE IN
ANIMAL SCIENCE YEAR 4 AND
BACHELOR OF SCIENCE IN
ANIMAL SCIENCE (DAIRY OPTION)
YEAR 4**

COURSE CODE: AS 406

TITLE OF PAPER: LIVESTOCK AND THE ENVIRONMENT

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS, AT
LEAST ONE(1) QUESTION FROM EACH
SECTION.**

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

SECTION A**QUESTION 1**

Discuss the direct and indirect impacts of climate change on livestock production systems.

(25 Marks)

QUESTION 2

Describe the livestock grazing systems and the environmental risks and opportunities associated with these systems.

(25 Marks)

QUESTION 3

Describe the main pollutants that can be generated in industrial livestock systems and explain the potential damage these pollutants can cause to the environment.

(25 Marks)

SECTION B**QUESTION 4**

Discuss any five major threats to biodiversity conservation in Swaziland.

(25 Marks)

QUESTION 5

Discuss any four farm management practices for mitigating biodiversity losses in the Swazi Nation Land.

(25 Marks)

QUESTION 6

Discuss the emission of major and minor green house gases by livestock production activities.

(25 Marks)