



2nd SEM. 2016/2017

UNIVERSITY OF SWAZILAND

FINAL EXAMINATION PAPER

**PROGRAMME: B.Sc. ANIMAL SCIENCE AND ANIMAL
SCIENCE (DAIRY OPTION) IV**

COURSE CODE: AS 406

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 three livestock production systems and explain the major risks and opportunities associated with each system.

(25 marks)

QUESTION 2

Discuss the direct and indirect channels of carbon release in livestock production.

(25 Marks)

QUESTION 3

Discuss the role of livestock production in water depletion and pollution.

(25 Marks)

QUESTION 4

Discuss the major livestock activities that may cause loss of biodiversity.

(25 marks)

QUESTION 5

Briefly discuss climate change in relation to feed and water availability.

(25 Marks)