

2ND SEM. 2015/2016

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME:

B.Sc. ANIMAL SCIENCE AND ANIMAL

SCIENCE DAIRY OPTION YEAR 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

Describe the mixed system and the common environmental risks associated with mixed systems.

(25 marks)

QUESTION 2

With an aid of a diagram, discuss livestock and the carbon cycle.

(25 marks)

QUESTION 3

Discuss the impact of livestock production on biodiversity and the mitigation options.

(25 marks)

QUESTION 4

Discuss livestock's role in water depletion and pollution.

(25 marks)

QUESTION 5

Climate change has drastic effects on livestock production. Discuss the adaptation strategies that can be employed in the livestock sector.

(25 marks)