



1st SEM. 2019/2020

UNIVERSITY OF ESWATINI

RESIT EXAMINATION PAPER

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

COURSE CODE: ASC213

TITTLE OF PAPER: LIVESTOCK AND THE ENVIRONMENT

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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

QUESTION 1

Livestock production systems contribute to global climate change directly and indirectly through the production of greenhouse gas emissions. Explain how the livestock sector contributes to global climate change and some of the mitigation strategies to reduce greenhouse gas emissions by the livestock sector. **(25 Marks)**

QUESTION 2

Industrial livestock production systems have drastically increased in the past decade. Discuss the reasons for this increase and the impact of industrial livestock production system on the environment. **(25 Marks)**

QUESTION 3

To sustain their livelihoods livestock farmers under pastoral and agro-pastoral systems have developed livestock adaptation strategies to mitigate the effects of climate change. Discuss these adaptation strategies used by livestock farmers to combat climate change. **(25 Marks)**

QUESTION 4

Discuss the livestock production adjustments that have been adopted to mitigate the effects of climate change. **(25 Marks)**

QUESTION 5

Assume that you have been invited by an association of veterinary assistants to talk about "climate change issues related to livestock production systems" give a detailed discussion on this topic. **(25 Marks)**