



1st SEM. 2020/2021

**UNIVERSITY OF ESWATINI
RESIT EXAMINATION PAPER**

**PROGRAMME: BACHELOR OF SCIENCE IN ANIMAL
SCIENCE IV**

COURSE CODE: ASC401

TITLE OF PAPER: BEEF PRODUCTION

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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GRANTED BY THE CHIEF INVIGILATOR**

QUESTION 1

Describe the five major constraints that affect beef cattle production in Eswatini. Explain how these constraints affect beef cattle production and suggest mitigation strategies to improve productivity. **(25 Marks)**

QUESTION 2

a) Discuss how the breeding value of bulls is evaluated in a ranch. **(10 Marks)**

b) Describe the role of central test stations in evaluating bulls. **(15 Marks)**

QUESTION 3

Suppose you have been granted a loan by the local bank to establish a commercial beef cattle ranch. The cow herd for a start will be 400 animals. Assuming that the farm is in the lowveld of Eswatini (no infrastructure), give a detailed account on how you would use the loan. **(25 Marks)**

QUESTION 4

A farmer has consistently had low calving rates (40 – 50%) over the last five years. As a livestock extension officer, explain how you would systematically analyse the causes for the poor performance of the farmer's herd. **(25 Marks)**

QUESTION 5

A farmer needs information on the merits and limitations of intensive and extensive beef cattle production. Provide the farmer with adequate information in order that he can make a decision. **(25 Marks)**