



UNIVERSITY OF SWAZILAND
(1ST SEMESTER-2017/2018)
MAIN EXAMINATION PAPER

PROGRAMME: B. Sc. Animal Science Year 4

COURSE CODE: AS 402

TITLE OF PAPER: BEEF PRODUCTION

TIME ALLOWED: TWO HOURS

INSTRUCTIONS: ANSWER ANY FOUR QUESTIONS

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

QUESTION 1

The shortage of quality slaughter cattle for both local and export markets has made Swaziland Meat Industries (SMI) to promote and help establish feedlots in the country. However, recently many farmers have left the business due to financial and technical difficulties. Discuss these problems faced by feedlot owners and their causes.

(25 Marks)

QUESTION 2

Discuss the selection of beef cattle breeding stock using weaning weight and yearling weight records. What adjustments are made during the above evaluation and why are these adjustments made?

(25 Marks)

QUESTION 3

Discuss the functions and traits of economic importance for each of the following segments of the beef cattle industry: purebred breeders, feedlots, commercial ranches and stocker yearling producers.

(25 marks)

QUESTION 4

Write about economic importance, cause, clinical signs and treatment of each of the following diseases: brucellosis, foot and mouth and rabies.

(25 Marks)

QUESTION 5

Describe the key aspects in establishing a feedlot and explain how you would monitor whether or not the operation is profitable.

(25 Marks)