



1ST SEM. 2013/2014

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**UNIVERSITY OF SWAZILAND
FINAL EXAMINATION PAPER**

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

COURSE CODE: AS 402

TITLE OF PAPER: BEEF PRODUCTION

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

Describe the key aspects in establishing a feedlot and explain how you would monitor whether or not the operation is profitable. (25 Marks)

QUESTION 2

In order to maximise cattle production to meet world food needs, animal scientists must have good working relationship with animal welfare societies. Comment on the importance of the above relationship and highlight areas of conflict between animal scientists and animal welfare societies. (25 marks)

QUESTION 3

Discuss the traits of economic importance under the following segments of the beef cattle industry: purebred breeders, feedlots, commercial ranches, and yearling producers. (25 Marks)

QUESTION 4

- a) Diseases are a major concern to the beef cattle industry. What are the possible losses that diseases can cause to the industry? (10 Marks)

- b) Give symptoms, causes, prevention and treatment for the following diseases that are common in the country: Blackquarter, Lumpy Skin, and Brucellosis. (15 Marks)

QUESTION 5

Farmer X has recently bought a ranch with cattle from Farmer B. After the sale Farmer X is told that the reason Farmer B sold the farm was that the beef herd was not performing well. Farmer X has hired you to systematically identify the reasons for the poor performance of the herd. Give a detailed account on how you would approach this task. (25 Marks)