

98



UNIVERSITY OF SWAZILAND

1ST SEM. 2016/2017

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

A ranch owner wants advice from you whether to sell his beef cattle as i) weaners, ii) yearlings, or finished (fattened) cattle. Provide the rancher with situations that are ideal for doing each of the above.
(25 Marks)

QUESTION 2

Highlight the current projects being implemented by the government in trying to develop the beef industry and suggest other strategies that could further improve the beef industry.
(25 Marks)

QUESTION 3

The Ministry of Agriculture has asked you to critically evaluate why the feedlot industry in the country is not developing. The following categories might help you in the evaluation: feed resources, supply of feeder cattle, technical expertise and other factors.
(25 Marks)

QUESTION 4

Improving beef cattle productivity on Swazi Nation Land (SNL) so that it is comparable with that on Title Deed Land (TDL) would require changing our land tenure system. Discuss the aspects of our land tenure system that make it difficult to commercialise beef cattle production on SNL.
(25 Marks)

QUESTION 5

Environmental and Animal welfare issues are two major concerns that animal scientists have to contend with in order to achieve sustainable beef cattle production. Discuss the environmental and animal welfare issues that Animal Scientists deal with under these concerns.
(25 Marks)