UNIVERSITY OF FORT HARE

AGA 221

Degree Examinations (Supplementary)

November 2018

Time : 3 Hours

Subject : Principles of Animal Nutrition

Marks : 100

This paper consists of 2 printed pages including the cover page

Internal Examiner
Dr. C. T. Mpendulo

Instructions

1. ANSWER ALL QUESTIONS
2. It is in your best interest to write clearly and legibly.
Question 1 [25 marks]

a. Write short notes on associative digestibility. (15 marks)

b. What are the pros and cons of tannins in animal nutrition? (10 marks)

Question 2 [25 marks]

List and explain the significance of non-nutritive additives in animal nutrition. (25 marks)

Question 3 [25 marks]

Describe causes, symptoms, treatment and prevention methods of each of the following conditions/disorders/deficiencies.

a. Bloat. (15 marks)

b. Milk Fever. (10 marks)

Question 4 (25 marks)

a. With the aid of a simple diagram describe the process of digestion in ruminants. (15 marks)

b. Explain the 4 main stages of digestion that occur in the gastro-intestinal tract (GIT) of animals (10 marks).