

RESIT EXAMINATION FOR CERTIFICATE IN ANIMAL HEALTH AND PRODUCTION

ANSC 00133: ANIMAL NUTRITION & LIVESTOCK FEEDING

INSTRUCTIONS: Answer ALL Questions

SECTION A (40 MARKS)

TIME: 2HOURS

QUESTION ONE

1. Briefly state the five trophic levels in a food chain (5 marks)
2. List any five groups of nutrients that are of benefit in the diet of an animal (5 marks).
3. State five deficiency symptoms that can be observed in animals with inadequate protein intake in their diet (5 marks)
4. Citing suitable examples, briefly explain the functions of macro minerals in the body of an animal (5 marks).
5. Name five digestive enzymes found in domestic animals and their respective functions (5 marks)
6. List five factors affecting the chemical composition of animal feeds (5 marks)
7. During proximate analysis of livestock feeds, the feeds are divided into six fractions for ease of analysis of each feed constituent. Name five such fractions (5 marks)
8. Name five metabolic diseases affecting farm animals (5 marks)

SECTION B (30 MARKS)

QUESTION TWO

- a) Enumerate five advantages of animal source proteins over plant source proteins (5 marks)
- a) Carbohydrates accounts for a large portion of animal's daily feed supply. Describe five functions of this nutrient in the body of an animal (10 marks)

QUESTION THREE

- b) What is microbial digestion?. Explain four properties of the sites where microbial digestion of feeds takes place (5 marks).
- c) Water is an important component of an animal's diet and constitutes approximately 60 to 70 percent of an animal's live weight. Discuss five factors affecting water intake in domesticated farm animals (10 marks).