



KENYATTA UNIVERSITY
EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN ANIMAL
NUTRITION AND MANAGEMENT

KRM 214: ANIMAL NUTRITION AND FEEDS

2ND SEMESTER 2020/2021

TIME: 2 Hours

INSTRUCTIONS:

Answer ALL questions in Section A and any TWO questions in Section B.

SECTION A (40 marks)

1. Define the following terms as used in animal nutrition sitting examples where possible (5 marks)
 - a) Nutrition
 - b) Productivity
 - c) Maintenance
 - d) Metabolism
 - e) Digestion
2. Differentiate between the following terms (5 marks)
 - a) Feed selection and palatability
 - b) Diet and feed
 - c) Apparent and true digestibility
 - d) Nutrition and nutrients
 - e) Monosaccharides and Oligosaccharides
3. Explain two factors that influence protein digestibility in non-ruminant animals (5 marks)
4.
 - a) State two components of animal feed (2 marks)
 - b) Outline any three classes of animal feeds (3 marks)
5. Explain 3 factors affecting forage quality (3 marks)
6. Explain the following medicaments, as used in animal nutrition: (5 marks)
 - a) Arsenicals
 - b) Coccidiostats/Anticoccidials
 - c) Nitrofurans

7. With the help of a graph highlight the meaning of compensatory growth including the general rule (5 marks)
8. Explain the importance of Studying Animal Nutrition today (cite necessary examples) (5 marks)

SECTION B (30 marks) Attempt any two questions in this section

9. Discuss the factors affecting food digestibility in animals (15 marks)
10. Discuss the factors to Consider when formulating livestock feds to achieve optimal growth and performance (15 marks)
11. Define Feed additives and discuss any 5 classes of the feed additives giving examples (15 marks)