

MAASAI

MARA



UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER

**SCHOOL OF NATURAL RESOURCES, TOURISM
AND HOSPITALITY**

**BACHELOR OF SCIENCE IN ANIMAL HEALTH
AND PRODUCTION**

COURSE CODE: AHP 2207-1

**COURSE TITLE: ANIMAL NUTRITION AND
FEEDING**

DATE:

TIME: 3HRS

INSTRUCTIONS TO CANDIDATES

Answer **ALL** questions

This paper consists of 2 printed pages. Please turn over

AHP 2207-1: ANIMAL NUTRITION AND FEEDING [120 Marks]

1. A) State any five basic animal nutrients. (10 Marks)
B) State 5 digestive enzymes and the substrate they act on (10 Marks)
2. With the help of a clear well labeled diagram, describe non ruminant digestion (20 Marks)
3. Describe Protein Digestion in a ruminant (20 marks)
4. Discuss 5 concentrates utilized as energy sources in animal feeding. (20 Marks)
5. A farmer is required to prepare 200kg of dairy meal containing 18% digestible crude protein(dcp) using the Pearson's square method, calculate the quantity of sunflower seed cake (34%dcp) and maize germ (7% dcp) the farmer requires for the dairy meal.(20 Marks)
6. Discuss the factors influencing the efficiency of feed utilisation by farm animals.(20 Marks)