



**FACULTY OF AGRICULTURE
NGETTA CAMPUS
FACULTY OF AGRICULTURE**

DIPLOMA IN ANIMAL PRODUCTION AND MANEGEMENT

DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

DAMP2204: ANIMAL NUTRITION AND PASTURE MANAGEMENT

FINAL ASSESSMENT

ACADEMIC YEAR 2023/2024 SEMESTER ONE

DAPM II/DCPM II

DATE: 8th/DEC/2023

TIME ALLOWED:3 HOURS (9:00am-12:00pm)

INSTRUCTIONS:

- *Attempt any four questions of choice*
 - *All questions carry equal marks*
 - *Start every question on a new page*
 - *Do not write anything on the question paper*
-

Qn.1 A farmer wanted to buy feeds for his pigs and he was advised to buy pigs concentrate

- a) What do you understand by the term concentrate feeds (5 marks)?
- b) Suggest the characteristics of concentrate feed (10 marks)
- c) Explain different type of concentrate with examples (10 marks)

Qn.2 a) Water is one of the component of the animal feeds, explain the function of water in the body of an animal (20 marks)

- b) Suggest other uses of water in the farm (5 marks)

Qn.3 a) Explain the roles of nutrients required in the animal's body (10 marks)

b) Suggest the factors that affect nutrient requirement in animals (15 marks)

Qn.4 a) Define the following terms

I. Pasture (5 marks)

II. Fodder (5 marks)

b) Suggest the importance of pasture and fodder (15 marks)

Qn.5 a) Explain various ways of improving natural pasture (15 marks)

b) Suggest the importance of mixing legumes and grass pasture on the same strand (10 marks)

Qn.6 a) What is pasture conservation (3 marks)?

b) Describe the procedure of hay making (8 marks)

c) Suggest the advantages of feeding farm animals with silage to hay (14 marks)

Qn.7 What do you understand by the following grazing systems?

I. Continuous grazing (4 marks)

II. Cell grazing (4 marks)

III. Time control grazing (4 marks)

IV. Spell grazing (4 marks)

V. Rotational grazing (4 marks)

Qn.8 a) Explain the factors to consider when formulating animal ratio (10 marks)

b) You are provided with maize brand and fish meal containing 8% and 42% crude protein respectively. In what proportion would you mix the two feeds stuff so as to produce a ratio with 16% crude protein (8 marks)?

c) What would the proportion of maize and fish meal be if you were to add mineral and vitamin supplement at 2.5%?

THE END