



UNIVERSITY EXAMINATIONS

**THIRD YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN ANIMAL SCIENCE
SECOND SEMESTER 2024/2025
[JANUARY - APRIL, 2025]**

ANSC 231: ANIMAL NUTRITION

STREAM: Y2 S2

TIME: 2 HOURS

DAY: MONDAY, 12:00 - 2:00 P.M.

DATE: 07/04/2025

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer ALL questions in section A and any other THREE in section B.***

SECTION A;

- Briefly explain how feeds are used in the animal body. (8 marks)
- Explain briefly how feeds are classified. (8 marks)
- State how animals gain and lose water in their body. (8 marks)
- State techniques used in feed evaluation. (4 marks)
- Differentiate between Neutral Detergent Fiber (NDF) and Acid Detergent Fiber (ADF). (8 marks)
- State briefly factors that affect feed digestibility in ruminant animals (4 marks)

SECTION B;

- Discuss the impact of human activities on the food chain. (10 marks)
- State briefly the general classification of minerals. (10 marks)
- State factors affecting digestibility in ruminant animals (10 marks)
- What is the function of large intestines in the poultry (10 marks)
- a. Discuss four most common ways of ration formulation. (4 marks)
b. Discuss rules governing the formulation of ration. (6 marks)