

**Uganda Martyrs University**  
**FACULTY OF EDUCATION**  
**BACHELOR OF EDUCATION (PRIMARY) YEAR TWO**  
**SEMESTER TWO EXAMINATIONS, 2023/24**  
**AGRICULTURE EDUCATION**  
**PAPER ONE: ANIMAL HEALTH AND NUTRITION**



**DATE: Wed 22/05/2024**

**Time: 9:30 AM-12:30 PM**

**Instructions:**

- Do not write anything on this question paper.
- Answer Four questions choosing two Questions from each of the Sections A and B.
- Begin each selected question on a new page in the answer booklet.
- Follow instructions on this question paper and answer booklet carefully.
- Each question carries a total of 25 marks
- Write legibly

**SECTION A: ANIMAL NUTRITION**

1. (a) Describe the factors that affect feed digestibility by farm animals (15 marks).

(b) Mr. Kigozi is a poultry farmer and would like to mix his own poultry feeds with a ration of 18%, using maize bran which is 15% CP and cotton seedcake which is 40% CP into one tonne. Mr. Kigozi has hired you as a technical person, help him to calculate the quantity of maize bran and cotton seed cake he should use. (10 marks).

2. (a) About 80% of the animal's body is water and therefore water performs a number of functions in the body of an animal. Explain briefly the roles of water in the animal's body (10 marks).

(b) What determines the level of water intake by livestock? (15 marks).

3. (a) Why is it important to include legumes in pastures (10 marks)

(b) Assess the management practices that can enhance maximum yield of established pastures (15 marks).

4. (a) Analyze the merits why farmers in your community should be encouraged to practice stall feeding system of cattle management (10 marks)

(b) Write brief notes on the following terms as related to animal nutrition (10 marks)

- i. Silage
- ii. Strip grazing
- iii. Carrying capacity
- iv. Maintenance ration.
- v. Milk fever.

(c) Outline the predisposing factors of bloat to cattle (5 marks).

## **SECTION B: ANIMAL HEALTH**

5. (a) Describe the economic importance of parasites on most livestock farms in Uganda.(10 marks).

(b) Outline the control measures of liver flukes in farm animals (15 marks).

6. (a) Explain briefly the following concepts as related to animal health (10 marks).

- i. Contagious disease.
- ii. Culling.
- iii. Broom-stick
- iv. Quarantine
- v. Notifiable disease.

(b) Outline the factors that predispose farm animals to diseases (10 marks).

(c) As a technical person how can you control the outbreak of anthrax on the farm (5 marks).

7. (a) Explain the methods of preventing the development of acaricide tick resistance in cattle management.(10 marks).

(b) What are the detrimental effects of ticks on farm animals? (10 marks)

(c) How can ticks be controlled on a farm? (5 marks).

**END**