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CAG 012



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

**SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND
TECHNOLOGY (SAVET)
MAIN CAMPUS**

**2023/2024 ACADEMIC YEAR
UNIVERSITY MAIN EXAMINATIONS**

**OF
CERTIFICATE IN GENERAL AGRICULTURE**

COURSE CODE: CAG 011

**COURSE TITLE: RUMINANT AND NON-RUMINANT
PRODUCTION**

DATE: 8.12.23

TIME: 3-5PM

INSTRUCTIONS TO CANDIDATES

This paper is divided into two sections, **A and B**. Answer ALL Questions in SECTION A and any Two in SECTION B

MMUST observes ZERO tolerance to examination cheating

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SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

Q1. Define the following terms and give 4 examples of each (2marks)

- a) Ruminant Animals
- b) Non-Ruminant Animals

Q2. Outline the difference between ruminant and non-ruminant animals (5marks)

Q3. State and explain the economic importance of ruminant and non-ruminant animals (6 marks)

Q5. State **FOUR** Rabbit breeds found in Kenya (4marks)

Q4.

- a) State the **TWO** main systems of Dairy Production (2marks)
- b) Outline the factors influencing the choice of production system (5 marks)
- c) State the reasons for proper record keeping (3marks)

Q5. State and discuss the limitations that hinder commercial chicken production in Kenya (5Marks)

Q6. Discuss goat and sheep diseases, including symptoms, treatment, and prevention. (8 marks)

SECTION B: ANSWER ANY 2 QUESTIONS (30 MARKS)

Q7. State and discuss **FOUR** cattle breeds and goat breeds stating their origin, characteristics, advantages, disadvantages and their environment (15 marks)

Q8. Discuss the routine management practices in Ruminant and Non-Ruminant Animals (15 marks)

Q9. Discuss **THREE** main poultry production systems in Kenya (15 marks)

- a) Characteristics
- b) Advantages
- c) Disadvantages