

AAH 220



MASINDE MULIRO UNIVERSITY OF SCIENCE & TECHNOLOGY

UNIVERSITY EXAMINATIONS

2022/2023 ACADEMIC YEAR

**SECOND YEAR SECOND SEMESTER MAIN EXAMINATIONS
FOR THE DEGREE OF BACHELOR OF SCIENCE IN ANIMAL
PRODUCTION AND PROCESSING AND RELATED OPTIONS**

COURSE CODE: AAH 220

COURSE TITLE: DOMESTIC ANIMAL BEHAVIOUR (ETHIOLOGY)

DATE: 11.04. 2023

TIME 12 - 2 PM

INSTRUCTIONS TO CANDIDATES

- i) Answer ALL questions in Section A and any TWO Questions in Section B
- ii) Write answers to questions clearly and logically

MMUST observes ZERO tolerance to examination cheating

SECTION A: ANSWER ALL QUESTIONS (40 Marks)

QUESTION ONE

1. Discuss the following with regard to animal behavior and its management to achieve high production

- a) Feeding (5 Marks)
- b) Mating (5 Marks)
- c) Health (5 Marks)

QUESTION TWO

Biological rhythms and photoperiodism determine the behaviour of goats in herds of pastoral production systems. Critically examine the above statement (15 Marks)

QUESTION THREE

Discuss, using examples, the physiological basis of a rabbit behavior during preweaning period of its kids (10 Marks)

SECTION B ANSWER ANY TWO QUESTIONS(30 Marks)

QUESTION FOUR

Pigs are viewed by livestock farmers as excellent clean animals under intensive production systems, Critically discuss the above statement. (15 Marks)

QUESTION FIVE

Evaluate the impact of farm management level of adherence to animal welfare regulations on marketing of livestock goods and services (15 Marks)

QUESTION SIX

Discuss the behaviour patterns of layer chicken and management of those behaviour patterns during their natural incubation of their eggs. (15 Marks)

SECTION A: ANSWER ALL QUESTIONS (40 Marks)

QUESTION ONE

Discuss the following with regard to animal behavior and its management to satisfy the animal welfare requirements:

- a) Transportation (5 Marks)
- b) Mating (5 Marks)
- c) Slaughter (5 Marks)

QUESTION TWO

Write short notes on the advantages of having a stockman / herdsman who has good knowledge of animal behavior (10 Marks)

QUESTION THREE

Biological rhythms and photoperiodism determine the behavior of animals in intensive livestock production systems. Critically examine the above statement (15 Marks)

SECTION B ANSWER ANY TWO QUESTIONS (30 Marks)

QUESTION FOUR

Discuss, using examples, the physiological basis of cow behavior during lactation period (15 Marks)

QUESTION FIVE

Evaluate the impact of farm management level of adherence to animal welfare regulations on marketing and consumers preference of livestock goods and services (15 Marks)

QUESTION SIX

Discuss the behavior patterns of sheep and management of those behavior patterns in a sheep flock (15 Marks)