



University of choice

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
SCHOOL OF AGRICULTURE, VETERINARY SCIENCES AND
TECHNOLOGY (SAVET)**

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2022/2022 ACADEMIC YEAR**

**MAIN EXAMS
FOR
BACHELOR OF SCIENCE IN ANIMAL PRODUCTION**

COURSE CODE: AAP 322

COURSE TITLE: SHEEP AND GOATS PRODUCTION

DATE: 12.04.2024

TIME: 8-10AM

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

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A: ANSWER ALL QUESTIONS (40 MARKS)

Q 1. Define the following terms **(10 Marks)**

- i) Cross breeding
- ii) Fecundity
- iii) Selection breeding
- iv) Gimmer
- v) Dystocia

Q 2. Outline factors influencing dry matter intake by sheep and goats in a production system **(10 Marks)**

Q 3. List problems affecting sheep and goat industry in Kenya **(10 marks)**.

Q4. Describe the activities that take place in the rumen of a ruminant animal **(10 marks)**

SECTION B

Q1 Using relevant examples discuss briefly traits of economic importance considered by breeders while improving genetic composition of breeds of sheep and goats **(15 Marks)**

Q2. Discuss the advantages and disadvantages of an open breeding scheme **(15 Marks)**

Q3. Discuss key characteristics of goats and sheep (Shoat) towards adaptation to environment **(15 Marks)**.

Q4. Briefly discuss the economic impact of disease control in small ruminant **(15 Marks)**

Q5, Discuss briefly the key aspect of mating management in small ruminant **(15 marks)**