



(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY

(MMUST)

**SCHOOL OF AGRICULTURE AND VETERINARY SCIENCES AND TECHNOLOGY
(SAVET)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

MAIN EXAMS OF

**BACHELOR OF SCIENCE IN AGRICULTURAL EDUCATION AND EXTENSION,
AGRICULTURE AND BIOTECHNOLOGY, EDS AND EPE**

COURSE CODE: AAP 321/302

COURSE TITLE: RUMINANT AND NON RUMINANT PRODUCTION

DATE: 8.04.2024

TIME: 3-5PM

INSTRUCTIONS TO CANDIDATES

Answer ALL questions in section A and any TWO in section B

SECTION A: Answer all questions (40 Marks)

- 1 a) Differentiate ruminant from pseudo ruminant animals (2mks)
- b) Explain **Three** importance of dairying in Kenya (6mks)
- c) List **four** problems facing dairy production in the tropics (4mks)
2. Define the following terms as used in ruminant and non-ruminant animals production (10mks)
 - i) outcrossing
 - ii) Concentrate
 - iii) Negative heterosis
 - iv) Steaming up
 - v) weaning
- 3a) State and explain **two** methods of pig feeding (4mks)
- b) Explain **four** importance of colostrum (4mks)
- c) Name **two** broad categories of feedstuffs (2mks)
- d) Differentiate saanen goat from boer goat (2mks)
- 4) Explain **two** rabbit diseases (4mks)
5. Calculate the quantity of sow and weaner meal required to raise 2 sows and 20 piglets for one month (2mks)

SECTION B (30mks)

5. Discuss livestock production systems in Kenya (15mks)
6. Discuss vaccination regime for commercial chicks in Kenya (15mks)
7. Discuss any **Five** routine management practices in piglets (15mks)