



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF AGRICULTURAL AND FOOD SCIENCES

**THIRD YEAR FIRST SEMESTER UNIVERSITY EXAMINATION FOR THE DEGREE
OF BACHELOR OF SCIENCE IN ANIMAL SCIENCE**

2024/2025 ACADEMIC YEAR

SIAYA

COURSE CODE: AAB 1404

COURSE TITLE: Sheep and Goat Production

EXAM VENUE:

STREAM: BSc. Animal Science, Y4, S2

DATE:

EXAM SESSION:

TIME: 2 HOURS

Instructions:

1. Answer ALL the questions in section A and any TWO in section B.
 2. Candidates are advised not to write on question paper.
 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.
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SECTION A [30 MARKS]

Answer ALL questions from this Section.

1. Explain the following terms:
 - a. Flushing [2 Marks]
 - b. Toxaemia [2 Marks]
 - c. Pen mating [2 Marks]
 - d. Mothering ability [2 Marks]
 - e. Fly strike [2 marks]

2. a. How does the feeding behaviour of sheep and goats influences their nutrition? [4 Marks]
- b. What are the three factors that influence age at puberty in sheep and goats? [6 marks]

3. a. Outline two characteristics that make sheep and goats suitable for the extensive system of production in arid and semi-arid lands. [4 marks]
- b. State three advantages of hand mating. [6 Marks]

SECTION B [40 MARKS]

Answer any TWO QUESTIONS from this Section.

4. Discuss **Four** factors that influence kid/lamb survival in sheep and goats in the extensive system of production. [20 Marks]

5. Giving appropriate examples, argue the effect of nutrition on:
 - a. Age at first kidding/lambing [10 Marks]
 - b. Reproductive performance of rams [10 Marks]

6. Discuss **Four** parameters used as measures of reproductive performance in sheep and goats. [20 Marks]