



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**

2019/2020 ACADEMIC YEAR

SPECIAL EXAMS/RESIT

COURSE CODE: AAS 3422

COURSE TITLE: Sheep and Goat Production

EXAM VENUE:

STREAM: BSc. Animal Science, Y4, S2

DATE:

EXAM SESSION:

TIME: 2 HOURS

SPECIAL EXAMINATION

Instructions:

1. Answer ALL the questions in section A and any TWO in section B.
 2. Candidates are advised not to write on the 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. a. Explain two environmental features that would cause you to recommend rearing of Red Maasai sheep. [4 Marks]
b. Explain two important outcomes of “Flushing”. [4 Marks]
c. Explain one important consideration when deworming sheep and goats. [2 Marks]

2. a. Briefly explain two features that have earned the goat the title “The poor man’s cow” [4 Marks].
b. Explain three important characteristics of goat milk that make it more favourable for consumption than cow’s milk. [6 marks]

3. a. Explain two features of sheep/goat pens that aim to improve the health of the flock. [4 marks]
b. Briefly explain two features that make the Galla goat very important and one way in which its performance can be improved. [6 Marks]

SECTION B [40 MARKS]

Answer any TWO QUESTIONS from this Section.

4. a. Explain how you can use culling to improve the fertility of a flock of sheep. [10 Marks]
b. What is i) Flock mating; ii) Hand mating? Explain the advantages and disadvantages of each. [10 Marks]

5. a. Discuss three strategies we can use to achieve high conception rate in ewes/does. [12 marks]
b. Briefly discuss two ways in which we can evaluate a ram/buck for breeding soundness/fitness. [4 Marks]

6. a. Discuss how we can feed a pregnant ewe/doe to ensure the birth of healthy lambs/kids. [10 Marks]
b. Briefly two management practices we can use to minimize endoparasite infestation in sheep and goats. [10 Marks]

