



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

REGULAR

COURSE CODE: AAS 3422

COURSE TITLE: Sheep and Goat Production

EXAM VENUE:

STREAM: BSc. Animal Science,

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 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 four characteristics of sheep and goats that make them suitable enterprise for poor rural communities in the arid and semi-arid areas. [8 Marks]
b. Explain what is meant by and the reason for docking. [2 Marks]

2. a. Briefly explain three strategies that can be used to reduce kid/lamb mortality in the extensive system of sheep and goats production. [6 Marks].
b. Explain two important differences between sheep and goats that influence their health management. [4 marks]

3. a. Explain four advantages of integrating sheep and goats production with tree cropping. [4 marks]
b. Briefly explain three traits associated with reproductive efficiency in ewes and does. [6 Marks]

SECTION B [40 MARKS]

Answer any TWO QUESTIONS from this Section.

4. a. Discuss the important management practises in sheep production just before, during and soon after lambing. [15 Marks]
b. Explain two most significant indicators of poor management at lambing? [5 Marks]

5. a. Discuss the effect of nutrition on breeding bucks/rams citing the feeding strategies that should be used in order to enhance their reproductive performance of bucks. [16 marks]
b. Describe two indicators of mothering ability in does. [4 Marks]

6. a. Discuss **three** sources where you can obtain information to aid in selection of replacement animals in a flock of sheep/goats. [15 Marks]
b. Describe how one can practically select animals to achieve increased fertility. [5 Marks]