

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF  
SCIENCE IN ANIMAL HEALTH AND PRODUCTION

ANSC 454: GOAT PRODUCTION

STREAMS: BS.c (ANIMAL SCIENCE)

TIME: 2 HOURS

DAY/DATE: WEDNESDAY 5/12/2018

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

- This examination has two sections, A and B
- Attempt ALL Questions in Section A and ONLY TWO Questions in Section B
- Mobile phones are NOT ALLOWED in the examination room

SECTION A: ATTEMPT ALL QUESTIONS - [30 MARKS]

1. State three economic importance of goats in Kenya. [3 Marks]
2. State three distinguishing features that you can use to identify a goat. [3 Marks]
3. Differentiate between the following goat breeds;  
(a) Toggenburg and Saanen  
(b) Gall and East African Goat [8 Marks]
4. Describe the process of managing kidding. [6 Marks]
5. Describe the different castration procedures in goats. [4 Marks]
6. Describe the symptoms and preventive measures for coccidiosis in goats. [6 Marks]

SECTION B: ATTEMPT ANY TWO QUESTIONS ONLY- [40 MARKS]

7. Describe reproduction in goats under the following headings;  
(a) The female reproductive systems [6 Marks]  
(b) Hormonal control of the estrus cycle [14 Marks]
8. Discuss goat nutrition under the following headings;  
(a) The goat digestive systems [5 Marks]

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- (b) Digestion in the rumen [5 Marks]
- (c) Digestion in the small intestines [8 Marks]
- (d) List four nutrients required in a goat's diet [2 Marks]

9. Describe in detail factors to consider when designing a goat house. [20 Marks]  
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