
CHUKA



UNIVERSITY

SUPPLEMENTARY / SPECIAL EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF BACHELOR DEGREE IN
ANIMAL SCIENCE**

ANSC 454: GOAT PRODUCTION

STREAMS: BSc. ANSC

TIME: 2

HOURS

DAY/DATE: MONDAY 16/11/2020

2.30 P.M - 4.30 P.M.

INSTRUCTIONS:

- i. Attempt ALL questions
- ii. Mobile phones are NOT ALLOWED in the examination room
 - a.i.1. Differentiate between the East African Goat and the Galla goat breeds
[4 Marks]
 - a.i.2. Using a diagram, describe the female goat reproductive system
[4 Marks]
 - a.i.3. List four reasons for keeping goats [2
Marks]
 - a.i.4. Describe any four goat diseases

[12 Marks]

a.i.5. Discuss four considerations when designing a goat house [8

Marks]

a.i.6. Kidding is an important event in goat farming as it produces goats for replacement and sale. Discuss the management of kidding under the following headings

a.i.1.a.a. Managing pregnant does prior to kidding

a.i.1.a.b. Managing the kidding process

a.i.1.a.c. Managing kids from kidding to weaning

a.i.1.a.d. Managing weaning

[20 Marks]

a.i.7. a. Describe reproduction in goats under the following headings

b. The female reproductive systems [6 Marks]

c. Hormonal control of the estrus cycle [14 Marks]

8. Discuss the following management practices, stating the different procedures and their significance in goat farming

a.i.1.a. Ear marking

a.i.1.b. Castration

a.i.1.c. Deworming

a.i.1.d. Hoof trimming [20
Marks]

9. Nutrition plays a key role in goat production

a.i.1.a. Describe using a diagram the goat digestive system [5
Marks]

a.i.1.b. Describe the role of micro-organisms in goat nutrition
Marks]

[5

a.i.1.c. Describe digestion in:

a.i.1.c.i. Rumen

a.i.1.c.ii. Small intestines

[10 Marks]

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