



UNIVERSITY OF RUHUNA
FACULTY OF AGRICULTURE



Third Examination in BSc Agribusiness Management (Part II)

March 2022

AS 3201 Ruminant Management (Compulsory)

Structured Essay-I I

INSTRUCTIONS

Answer **all** questions.
Only non-programmable calculators are permitted.
Mobile phones are NOT permitted.

TIME: 1 (one) Hour
INDEX NUMBER

1) a) Define/describe the following terms in relation to small ruminant management (3×6=18)

i. Flushing up

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ii. Browsing (of goats)

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iii. Gestation period

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iv. Kidding

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v. Steaming up

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vi. Lambing

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b) Differentiate goat and sheep based on the given characteristics (2×5=10)

Character	Goat	Sheep
Feeding pattern
Birth process
Rumen capacity
Fiber digestibility
Fat metabolism during feed shortage

c) Fill in the blanks using the knowledge acquired in ruminant management (2×10=20)

- i. Point of sexual development at which the animal becomes capable of reproducing is known as
- ii. Period from parturition to conception is known as
- iii. is a reproductive failure characterized by undersized testicles and very low semen production.
- iv. is the failure of one or both testicles to descend from the abdominal cavity into the scrotum.
- v. The average length of the gestation period of a doe is days.
- vi. Heat signs last fromto..... days in an ewe.
- vii. Average length of the estrus cycle of an ewe is days
- viii. is the process by which the uterus is transformed from pregnant to non pregnant state
- ix. Scientific name of sheep is
- x. is the fibre obtained from Angora goats

d) i. Name the local sheep breed (02 marks)

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ii. List 02 other sheep breeds reared in Sri Lanka (04 marks)

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e) i. What does NLDB stand for? (05 marks)

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ii. List 03 NLDB farms where goats are reared with the location (province) of the farm (12 marks)

Name of the farm	Location
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f) Mention 02 factors why goat milk is considered healthier than cow milk. (04 marks)

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g) Discuss five (05) special features of small ruminants compared to large ruminants, which are important in helping socioeconomic success of small scale farmers (10 marks)

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h) Culling is an important management practice that should be carried out in a commercial livestock farm. Briefly discuss the reasons for culling of small ruminants. (15 marks)

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ii. What are the major types of houses available for goats in Sri Lanka? (04 marks)

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iii. Mention 04 major characteristics of the type of goat house which is suitable for Faculty farm. (08 marks)

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iv. Mention the recommended housing space for the following categories of Sannen breed. (05 marks)

Category	Space requirement (m ²)
Buck	
Doe	
Kid	
Buckling	
Doeling	

f) i. List 5 tools/instruments used in routine management of sheep (05 marks)

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