

UNIVERSITY OF RUHUNA

FACULTY OF AGRICULTURE

Third Examination inBSc 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 ERSITY

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	1)	a) Define/describe the following terms in relation to small ruminant management $(3\times 6=18)$
		i. Flushing up
		ii. Browsing (of goats)
о 		
		iii. Gestation period
Ų		
		iv. Kidding
		v. Steaming up
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Lambing vi.

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b) Differentiate goat and sheen based on the given characteristics	$(2 \times 5 = 10)$
ha patterentiate doal and sneep based on the given characteristics	$(2 \times 3 = 10)$

b) Differentiate goat and sheep based on the given characteristics

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 $(2 \times 10 = 20)$ 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 is the process by which the uterus is transformed from pregnant viii. to non pregnant state ix. Scientific name of sheep is x. is the fibre obtained from Angora goats (02 marks) d) i. Name the local sheep breed (04 marks) ii. List 02 other sheep breeds reared in Sri Lanka

i. List 03 NLDB farms where goats are reared with the location Name of the farm	(province) of the farm Location	(12 mark
		(12 mark
) Mention 02 factors why goat milk is considered healthier than	 cow milk.	(04 marks)
		·····
) Discuss five (05) special features of small ruminants company portant in helping socioeconomic success of small scale farme	ared to large ruminants ers	s, which a (10 marks
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Culling is an important management practice that should be can rm. Briefly discuss the reasons for culling of small ruminants.		al livestoc (15 marks)

Examinations – Faculty of Agriculture

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	1.4 A second se second second sec	
2)) a) i. Mention 05 potentials for goat production in Sri Lanka	(10 marks)
	ii Ligt 01 mills and 02 doub	
	ii. List 01 milk and 02 dual purpose goat breeds suitable for Mapalana area	(06 marks)
		(00 marks)
	Milk Breed Dual put	rpose Breeds
		rpose Breeds
	iii. Name 05 browsing plants which are widely used for feeding goats in Mapala	rpose Breeds na area (05 marks)
	iii. Name 05 browsing plants which are widely used for feeding goats in Mapala	rpose Breeds na area (05 marks)
	iii. Name 05 browsing plants which are widely used for feeding goats in Mapala	rpose Breeds na area (05 marks)
	iii. Name 05 browsing plants which are widely used for feeding goats in Mapala	rpose Breeds na area (05 marks)
	iii. Name 05 browsing plants which are widely used for feeding goats in Mapala	rpose Breeds
	iii. Name 05 browsing plants which are widely used for feeding goats in Mapala	rpose Breeds na area (05 marks)

	b) i. What goat feeding/management practice is more suitable for Faculty farm?	(03 marks
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	ii. Justify your answer giving 04 reasons	<u> </u>
	(08 marks
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***** d) i. List 02 advantages of 'steaming up' of sheep (02 marks) ii. List 02 reasons for neonatal deaths in sheep (04 marks)

 e) i. If you are posted as a livestock extension officer in the upcountry area, how you would advise a farmer giving 05 important facts to select a suitable site in the area to start up a goat farm? (10 marks)

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

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

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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ii. Giving reasons, explain why castration is important for a commercial sheep farm?	(10 marks)
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iii. Briefly explain the importance of record keeping in a medium scale goat farm ha	aving 50 goats (10 marks)
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