

NATIONAL UNIVERSITY OF LESOTHO
FACULTY OF AGRICULTURE
DEPARTMENT OF ANIMAL SCIENCE
BACHELOR OF SCIENCE IN ANIMAL SCIENCE
ANS3515- NON-RUMINANT PRODUCTION
May 2023: MARKS: 100 TIME: 3 HOURS

Instructions: Answer all questions

Question One

Mention and discuss any five parameters that can be used to differentiate between ruminants and non-ruminant. 10 marks

Question Two

Provision of housing in piggery production is fundamental:

- a) Give reasons why housing is important in pig production. 6 marks
- b) Discuss the characteristics of a good piggery house. 4 marks

Question Three

Mention the last two sections of the stomach in pigs and discuss the digestive activities that occur in each section. 10 marks

Question Four

Mention and explain four factors affecting nutritional requirements in piggery. 10 marks

Question Five

Discuss the constraints rabbit production faces in Lesotho and the possible ways in which production can be improved 7 marks

Question Six

In animal production the selection of the breeding stock is very crucial; discuss the specific considerations to be taken when selecting a breeding buck. 3 marks

Question Seven

Discuss weaning and sexing in rabbits 10 marks

Question Eight

Mention and explain any five factors determine feed intake in rabbits 10 marks

Question Nine

Discuss floor method of housing in rabbits 10 marks

Question Ten

Discuss feeding of the broiler in triphase 1 indicating clearly feeding recommendations 10 marks

Question Eleven

Discuss how age and nutrition affect egg production by layers.

10 marks