

NATIONAL OPEN UNIVERSITY OF NIGERIA

University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja
Faculty of Agricultural Sciences
September, 2020_1 Examination

Course Title: Ruminant Animals Production

Course Code: ANP 509

Credit Unit: 2

Total Score: 70 Marks Time Allowed: 2 Hours

INSTRUCTION:

Answer Compulsory question 1 (25 marks) and any 3 questions (15 marks each).

Question One

- a) Mention two(2) difference between Ruminants and other Animals 4 marks
- b) Give different terms for Parturition in cattle, sheep and goats 3 marks
- c)explain digestion in the Hindgut 3 marks
- d)describe the Muturu cattle breed 5marks
- e)Outline five (5) importance of housing in sheep/goat production. 10 marks

Question Two

- a)Describe the features of the Balami 5 marks
- b)highlight the Feeding of adult sheep and goat 3 marks
- c)Describe Mastitic disease, state the Signs, Prevention and Control 7 marks

Question Three

- a) Mention three attributes each of
 - i. Dairy cattle
 - ii. Beef cattle
 - iii. Draught cattle 9 marks
- b)Name one (1) beef and two (2)dairy breeds of cattle 3 marks

c) Why should a cow be allowed a dry period 3 marks

Question Four

- a)State one (1) advantage and three (3) disadvantages of hand milking 4 marks
- b)outline three (3) advantages and two (2) disadvantages of machine milking 5 marks
- c) highlight three (3)reasons for Bad Traits in Milking Cows 3 marks
- d)Mention three (3)characteristics of rouphages 3 marks

Question Five

- a)outline the identifying features of Maradi (Red Sokoto) Goat 7 marks
- b)write short note on trypanosomiasis in cattle 5 marks
- c) Mention six (6) important features of a typical sheep/goat handling unit.3 marks

Question Six

a)Discuss five (5) causes of diseases in cattle 15 marks