

NATIONAL OPEN UNIVERSITY OF NIGERIA University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja Faculty of Agricultural Sciences

POP Questions 2021_27856

Course Title: Ruminant Animal Production Course Code: ANP 509 Credit Unit: 2 Total Score: 70 Marks Time Allowed: 2 Hours INSTRUCTION: Answer: Compulsory question 1 (30 marks) and any 2 questions (20 marks each).

Question one

a) Identify two (2) differences between ruminants and other animals (4 marks)

- b) Discuss five (5) advantages of small ruminants over other ruminants (15 marks)
- c) State another name for Parturition in cattle, sheep and goats (3 marks)

d) How would you manage a calf from birth to weaning? (8 marks)

Question two

a) Discuss how carbohydrates are digested in ruminants (8 marks)

b) Highlight three (3) benefits of ruminant digestion process. (3 marks)

c) Explain to a potential farmer nine (9) distinguishing features of the White Fulani (Bunaji) cattle breed (9 marks)

Question three

a) Mr Yakubu wants to prevent his animals from disease; explain to him five (5) general measures of disease prevention (5 marks)

b) How would you convince a livestock farmer of the importance of sheep/goat housing unit? (15 marks)

Question four

a) Mr Baba met you as an animal science student and wants you to explain to him causes of disease in his cattle; elucidate five (5) possible causes of diseases in his cattle (15 marks)b) How would you identify signs of parturition in cattle? (5 marks)