



NATIONAL OPEN UNIVERSITY OF NIGERIA
Faculty of Agricultural Sciences

EXAMINATION QUESTIONS: APRIL, 2019

COURSE TITLE: Non-Ruminant Animal Production

COURSE CODE: ANP 302 (2CU)

INSTRUCTION: Answer Question One (25 Marks) and any other 3 (15 Marks each). Total marks obtainable 70 TIME ALLOWED: 2 Hours

- 1a. State any 5 general diseases of ruminants (1 mark each x 5 = 5 marks)
- b. Giving appropriate examples, give any five (5) differences between ruminant and non-ruminants. (2 marks each = 10 marks)
- c. Elaborate on any 3 methods of forage conservation (10 marks)

Total = 5 + 10 + 10 = 25 marks

2. Describe in details any 5 management practices in livestock production.

(2 marks each = 10 marks)

- b. Describe the possible mating systems that can be used in cattle breeding. (5 Marks)

Total = 10 + 5 = 15 marks

3. In order of their numerical importance, discuss 4 breeds of cattle in Nigeria (15 marks)

4. Sketch the features of a typical Ewe and label all the parts as necessary. (1 mark each correctly labelled x 12 = 12 marks; Good Sketching = 3 marks)
(Total = 12+3= 15 marks)

5. Discuss the salient points to be considered in cattle house design? (15 marks)

6. State any 5 breeds of large and 5 breeds of small ruminant animals in Nigeria.

(1/2 mark each of any five = 5 marks)

- b. State any 5 internal and 5 external parasites of ruminants. (1 mark each = 10 marks)

Total = 5 + 10 = 15 marks