



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION
SCHOOL OF AGRICULTURAL

AEM722 **RUMINANT ANIMALS (2 UNITS).**
INSTRUCTIONS: **Answer any 4 (four) questions. All**
 Questions Carry Equal Marks
TIME: **2 ½ hours.**

- 1a. Write a short note on digestion in the young ruminant animal (10 Marks)
- 1b. Discuss in details the advantages and disadvantages of ruminant digestion (15 Marks)
2. Discuss fully the advantages of small ruminants over other ruminants. (25 Marks)
- 3a. List the major criteria used in classification of sheep and goats (5 Marks)
- 3b. What do you understand by flushing? State the relevance of this management practice in ruminant production (10 Marks)
- 3c. Define the following terms:
 - i. Bull ii. Heifer iii. Mohair iv. Veal v. Chevron (10 Marks)
- 4a. Explain what you understand by oestrus indicating the signs a female animal exhibit when on oestrus (8 Marks)
- 4b. Discuss fully the advantages of providing housing for ruminants (17 marks)

5. Giving reasons discuss the operations that can be carried out in a sheep and goat handling pen highlighting its essential features (25 Marks)

6a a. Explain how you will manage a calf from birth to weaning. (20 mks)

6b. List 5 breed of goats found in Nigeria. (5 mks)