NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES

AEM 722 Ruminant Animals (2 Units)
Second Semester 2018 Examination
INSRUCTIONS: Answer question one (compulsory) and any other 3 questions. Please note that question one carries 25 marks.
Time Allowed: 2 ½ hours.

1a. Explain the roles of ruminant animals in Nigerian agriculture (14 Mks)

1b. List 5 breed of sheep found in Nigeria and describe fully any 2. (11 mks)

2a. Write a short note on carbohydrate digestion in the rumen (5 Marks)

2b. List 5 breeds of cattle found in Nigeria and fully describe any 2 (10 mks)

3a. Define the following terms:

    i. Bull   ii. Heifer   iii. Mohair iv. Veal   v. Chevron
vi. Weather   vii. Mutton   viii. Kidding   ix. Hogg   x. Buck

(1 mrk each. Total = 10 marks)

3b. List the major criteria used in classification of sheep and goats (5 Marks)

4a. What do you understand by Oestrus (2Marks)

4b. Adamu went on a visit to a cattle ranch and he was asked to identify the cows on heat. What are the signs Adamu should look out for to enable him identify such cows (8 Marks)

4c. The farmer informed Adamu that he has flushed his cows two weeks ago. What are the advantages of such a management practice to the farmer. (5 Marks)

5. Explain fully the observable signs of good health in farm animals (10 mks)

5b. Mrs Stella wants to set up a sheep and goat handling unit on her farm. Advise her on the necessary featuresto incorporate in the unit for the holding pen to be adequate. (5 marks)