



NATIONAL OPEN UNIVERSITY OF NIGERIA

SCHOOL OF SCIENCE AND TECHNOLOGY

AEM 722 RUMINANT ANIMALS (2 UNITS).

FIRST SEMESTER EXAMINATION

INSTRUCTIONS:- Answer any 4 (four) questions.

TIME:- 2 hours.

- (1) a. Define ruminant animals.
b. State 2 differences between ruminant animals and non-ruminant animals.
c. Briefly explain 4 roles of ruminant animals to the economy of Nigeria.
d. Give 3 examples of ruminant animal.
- (2). List and explain 5 advantages of small ruminant over other ruminants in the supply of meat.
- (3) a. State 5 sign of oestrus or heat period in ruminant animals.
b. State 5 sign of good health.
c. List 6 and briefly 3 general measures of disease prevention.
- (4) a. Explain the classification of cattle based on utility.
b. List 4 Nigerian breed and 4 foreign breeds of cattle.
- (5) a. Define disease.
b. Explain 4 causes of diseases with examples.
- (6) Briefly explain any 4 of the following:
 - (a). Nutrient.
 - (b). Energy concentrates.
 - (c). Hand milking.
 - (d). Sign of parturition.
 - (e). Natural services.