



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL MSCIENCE AND FISHERIES
2024_2 EXAMINATION

Course Code: ANP302

Course Title: Introduction to Ruminant Animal Production

Credit Unit: 2

Total Score: 70 Marks

Time Allowed: 2 Hours

INSTRUCTION: Answer question ONE (30 marks) and any other two questions (20 marks each).

1. a) State five economic importance of keeping ruminants. 5 marks
b) What do you understand by artificial insemination? 5 marks
c) Write briefly on the management of a buck. 5 marks
d) Highlight five points to be considered while designing a house for sheep/goat. 5 marks
e) Describe the life cycle of tape worm in goats. 10 marks
2. a) Describe briefly the common breeds of goats in Nigeria. 15 marks
b) Write short note on digestion in the abomasum. 5 marks
3. a) State the necessary factors to be considered while designing a house for cattle 8 marks
b) Define the following terms;
i. Debudding
ii. Castration
iii. Docking 4 marks each
4. a) List and define any three methods of pasture conservation. 6 marks
b) List any four forage legumes used in ruminant feeding. 4 marks
c) Briefly discuss the Contagious Caprine Pleuro-pneumonia infectious diseases of sheep and goats. 10 marks