



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCES AND FISHERIES
2025_2 EXAMINATIONS

AEM 722 Ruminant Animals (2 Units)

INSTRUCTIONS: Answer question one (compulsory) and any other 2 questions. Pls note that question one carries 30 marks all others 20 marks each.

Time Allowed: 2 hours.

- 1a) With relevant examples explain to a novice the term ruminant animals (4 Marks)
 - b) Explain to Musa the types of digestion that occurs in a matured cow (10 marks)
 - c) Advance possible reasons why Artificial Insemination is not wide spread in the Nigeria. (10 Marks)
 - d) As a farm manager what will you give to an orphaned calf and what is the constitution of this product (6 marks)
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- 2a) Mallam Salami is a new livestock farmer, explain to him what signs he should look out for when his cow is about to parturate (5 marks)
 - b) Steaming Up is a management practice, give the meaning and advantages this management practice on a farm. (15 marks)
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- 3a) Wastage due to disease is a source of serious economic loss and one of the main constraints to the development of livestock industry. What are the possible causes of disease in livestock (20 marks)
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- 4a) Justify with reasons why you will advise mallam Sule a potential livestock farmer to invest in small ruminant production (15 marks)
 - b) What are identifying features of the N'dama cattle breed (5Marks)