



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**SCHOOL OF AGRICULTURAL SCIENCES**  
**SEPTEMBER/OCTOBER 2015 EXAMINATION**

**COURSE CODE: AEM 722**

**COURSE TITLE: RUMINANT ANIMALS**

**TIME ALLOWED: 2 ½ hours.**

**INSTRUCTIONS: ANSWER ANY 4 (FOUR) QUESTIONS.**

- (1) Explain the roles of ruminant animals in Nigerian agriculture (15 mks)
- b. List 5 breed of sheep found in Nigeria and describe fully any 2. (10 mks)
- (2) a. List and explain 5 advantages of small ruminant over other ruminants in the supply of meat. (15 mks each)
- b. List 5 breeds of cattle found in Nigeria and fully describe any 2 (10 mks)
- (3) a. Define the following terms:
- i- Bull; ii- Heifer; iii- Mohair iv- Veal; v- Chevron; vi- Weather;
- vii- Mutton viii- Kidding; ix- Hogg; and x- Buck (2 mks each)
- b. List 5 breed of goats found in Nigeria. (5 mks)
- (4) a. Explain how you will manage a calf from birth to weaning. (20 mks)
- b. State 5 signs of heat. (5 mks)
- (5) a. Explain fully the observable signs of good health in farm animals (10 mks )
- b. What are the signs of parturition in goast. (5 mks)
- c. Describe how you would manage a cow from pregnancy to parturition (10 mks)

(6) Briefly explain the following: (5 mks each)

(a). Artificial insemination;

(c). Hand milking.

(d). Sign of oestrus;

(b). Roughages;

(e). Wheat offal; and