



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCE & FISHERIES
EXAMINATION QUESTIONS: SEPTEMBER 2020 _ 1**

COURSE CODE: ANP302 (2Credits)
COURSE TITLE: Ruminant Animal Production
INSTRUCTIONS: Answer Question 1 (25 Marks) and any other 3 (15 marks each) 70 Marks
TIME ALLOWED: 2 Hours

- 1a. With the aid of appropriate illustrations, discuss elaborately, the life cycle of round worm in cattle.
- 1b. As an Animal Scientist, write on how round worms can be controlled.
- 1c. Discuss any 10 economic and nutritional values of ruminant animals.

- 2a. Open grazing is no more suitable in Nigeria, hence the much talked about and consideration for ranching, Enumerate the points that must be considered while designing a house for cattle.
- 2b. Describe any mating system that can be used in cattle.

- 3a. Describe any 7 common equipment used in ruminant production.
- 3b. Write on any 3 common methods of pasture conservation.

- 4a. Elaborate on the signs and symptoms of pest de petit ruminant.
- 4b. List any 6 internal and 5 external parasites of ruminants.

- 5a. Describe the different types of flies.
- 5b. Distinguish between Uda and the West African Dwarf sheep.

6. Write short notes on the followings;
 - a. The most widely distributed breed of cattle in Nigeria
 - b. The 3 common methods of pasture conservation.