



NATIONAL OPEN UNIVERSITY OF NIGERIA
KM4, Kaduna-Zaria Expressway, Rigachikun, Kaduna
Faculty of Agricultural Sciences (FAS)

Semester POP Exam Question 2021⁷⁸³⁶

COURSE TITLE: ANIMAL HEALTH AND DISEASES

COURSE CODE: ANP 506

CREDIT UNIT: 2

TOTAL SCORE: 70

TIME ALLOWED: 2 HOURS

INSRUCTIONS: Answer Compulsory question ONE (30 marks) and any other two questions (20 marks each)

1. **(a) Define the following terms**
 - i. Vaccine (2 marks)
 - ii. Natural immunity (2 marks)
 - iii. Acquired immunity (2 marks)**(b) Discuss the two main methods of prevention of livestock diseases (9 marks)****(c) There are various routes of drug administration in animals; clearly describe four that you know (15 marks)**

2. **(a) Discuss three major effects of diseases on productivity (10 marks)****(b) Give five examples of common zoonotic diseases of ruminants and one etiology each (10 marks)**

3. **(a) Write short note on:**
 - i. Bloat (Tympany) (7 marks)
 - ii. Pregnancy Toxemia (Ketosis) (8 marks)**(b) Briefly describe the various modes of zoonotic disease transmission (5 marks)**

4. **(a) Discuss the three major modes of disease transmission in ruminants (7 marks)****(b) Briefly explain how the following factors affect the health status of animals**
 - i. Temperature (2 marks)
 - ii. Humidity (2 marks)
 - iii. Solar radiation (2 marks)
 - iv. Ventilation (2 marks)**(b) How can you control ectoparasites in ruminants? (5 marks)**