



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES & FISHERIES
DEPARTMENT OF ANIMAL SCIENCE & FISHERIES
2020_2 EXAMINATION

ANP 301 2020_2 EXAMINATION QUESTIONS

ANP 301- Introduction to Non-Ruminant Production (2 UNITS)

INSTRUCTIONS Answer question one (25 marks) and any other 3 questions (15 Marks)

TIME: 2 hours

1. (a) Draw and label the digestive system of a rabbit.
(b) Name four breeds of exotic pigs found in Nigeria
(c) List eight management practices that can cause pathogenic invasion in a poultry farm.
(d) What are vitamins?
2. (a) What are the major factors to be considered when designing a pig house?
(b) Differentiate between “exotic” and indigenous breeds of chicken reared in Nigeria.
3. (a) Describe how you will manage a piglet immediately after birth.
(b) Give four examples each of fat-soluble and water- soluble vitamins for chickens
4. Outline a vaccination regime for the following poultry diseases:
 - i. Newcastle disease
 - ii. Mareks
 - iii. Gumboro (Infectious Bursal disease)
 - iv. Fowl cholera

5. Write short notes on the following practices in rabbit production:

- i. Mating
- ii. Kindling
- iii. Sexing young rabbits.

6. (a) List the different parts of the female reproductive system of rabbits

(b) What are the advantages and disadvantages of the integrated system of pig rearing?