



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCE & FISHERIES
EXAMINATION QUESTIONS (January, 2017)**

COURSE CODE: ANP 301

COURSE TITLE: INTRODUCTION TO NON-RUMINANT ANIMAL PRODUCTION (2 UNITS)

INSTRUCTIONS: Answer question one (compulsory) and any other three. Please note that question one carries 25 marks (Total Score: 70 marks)

Time Allowed: 2 Hours

1. (a) With the aid of a well labelled diagram **ONLY**, present the digestive system of poultry chicken (10 marks)
(b) Briefly discuss the importance of the five essential nutrients required for healthy poultry feeding (10 marks)
(c) Outline five general considerations in designing a piggery pen (5 marks)
2. (a) Highlight ten merits of poultry keeping (10 marks)
(b) Outline five advantages of the battery cage system (5 marks)
3. (a) Describe the typical broiler management practices from day old to point of sale (10 marks)
(b) State five methods of prolonging the edible life of an egg (5 marks)
4. (a) Give the taxonomy of rabbits (4 marks)
(b) Itemise six advantages of keeping rabbits (6 marks)
(c) Explain the process of weaning in rabbits (5 marks)
5. (a) With appropriate examples explain the effects of ant-nutritional effects in pigs' nutrition (5 marks)
(b) Describe handling and restraint in piggery and give relevant examples of equipment you can use (10 marks)
6. Write short note on the management of piglets (15 marks)