



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION
SCHOOL OF AGRICULTURAL SCIENCES

COURSE CODE: ANP301
COURSE TITLE: INTRODUCTION TO NON-RUMINANT ANIMAL PRODUCTION (2 UNITS)
DURATION: 2 HRS
INSTRUCTION: ANSWER ANY 4 QUESTIONS

- 1 (a) What are Hybrids? (2 marks)
(b) i. Explain free range system of poultry management (2 marks)
ii. Identify three advantages and three disadvantages of free range poultry management system (6 marks)
(c) Give three reasons for providing suitable housing for poultry (3 marks)
(d) Outline seven general principles necessary for the provision of suitable poultry housing in the tropics (7 marks)
(e) Highlight five qualities to good feeders and drinkers (5 marks)
- 2(a) With the aid of an annotated diagram only describe the digestive system of poultry chicken (10 marks)
(b) Briefly explain the importance of the five essential nutrients required for healthy poultry feeding (10 marks)
(c) Enumerate five merits of poultry keeping (5 marks)
- 3(a) What is hatchability? (2 marks)
(b) Concisely explain six major factors affecting hatchability (12 marks)
(c) Outline six factors that can affect egg size of poultry (6 marks)
(d) State five methods of prolonging the edible life of an egg (5 marks)
- 4 (a) Describe the typical broiler management practices from day old to point of sale (8 marks)
(b) Highlight five characteristics of a good layer bird (7 marks)
(c) Give four broad categories of poultry diseases (4 marks)
(d) Provide six precautions in the prevention of disease spread in poultry farms (6 marks)

5(a) Define caecotrophy (3 marks)

(b) Give the taxonomy of rabbits (4 marks)

(c) Itemise six advantages of keeping rabbits (6 marks)

(d) Explain the process of weaning in rabbits (6 marks)

(e) Discuss the floor method of housing rabbits (6 marks)

6(a) Highlight five advantages of keeping pigs (5 marks)

(b) Outline five general considerations in designing a piggery pen (5 marks)

(c) What are anti-nutritional factors? (2 marks)

(d) With appropriate examples explain the effects of anti-nutritional effects (5 marks)

(e) Describe handling and restraint in piggery and give relevant examples of equipment you can use (8 marks)