



# **NATIONAL OPEN UNIVERSITY OF NIGERIA**

**University Village, Nnamdi Azikwe Express Way, Plot 91,  
Cadastral Zone,  
Jabi, Abuja**

**Faculty of Agricultural Sciences**

**FIRST SEMESTER EXAMINATION: June/July**

**COURSE CODE: ANP 301**

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

**DURATION: 2 HRS**

**ANSWER ANY 4 QUESTIONS**

1. List the problems and constraints of poultry production in Nigeria and suggest ways of their improvement (25 marks).
2.
  - (a) What do you understand by the term incubation?
  - (b) Explain artificial incubation and its essential requirements (12<sup>1</sup>/<sub>2</sub> marks).
  - (c) List the factors affecting hatchability (12<sup>1</sup>/<sub>2</sub> marks).
3. One aspect of rabbit nutrition is caecotrophy. Discuss in detail the concept of caecotrophy and compare the advantages and disadvantages of two feeding systems in rabbits. (25marks).
4. Discuss the advantages and disadvantages of pig farming (25 marks).
5. Discuss (a) Swine erysipelas (12<sup>1</sup>/<sub>2</sub> marks) and (b) African swine fever (12<sup>1</sup>/<sub>2</sub> marks) under the following headings
  - (i) Causative agent and mode of transmission (7 marks)
  - (ii) General character and signs (8 marks)
  - (iii) Control and prevention (10 marks).

6. Describe neck breaking and stunning methods used in killing rabbits. (25 marks).