



National Open University of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja
Faculty of Agricultural Sciences
October/November, 2016

COURSE CODE: ANP 301
COURSE TITLE: INTRODUCTION TO NON-RUMINANT ANIMAL PRODUCTION (2 UNITS)
DURATION: 2 HRS
ANSWER ANY 4 QUESTIONS

1. (a) With three relevant examples describe the attributes of non-ruminant animals
(b) Provide the full taxonomy of the domestic chicken
(c) Give seven advantages of poultry keeping in Nigeria
(d) Enumerate five constraints of poultry production in Nigeria
2. (a) Itemise ten general guidelines for poultry housing in the tropics
(b) Giving three examples each, describe the specific characteristics of the egg and meat types of chicken
(c) Provide five guiding principles for farmers to improve poultry production in Nigeria
3. (a) Fully analyse the process of digestion and absorption in poultry birds
(b) Outline five poor management practices that can aid disease spread in a poultry farm
(c) Enumerate five disease preventive measures to be taken in poultry farm
(d) State five advantages of the battery cage system
4. (a) Outline four essential requirements for artificial incubation
(b) Briefly comment on the phases of operation in the incubator
(c) Identify five genetic factors that may affect hatchability
(d) Explicitly describe the broiler management system and state three typical characteristics of a good broiler
5. (a) State five nutritional requirements of rabbit
(b) Briefly explain the importance of the above stated components in rabbit management
(c) Concisely explain mating and pregnancy in rabbit management
6. (a) Identify five qualities to be considered while selecting a boar (male pig) for service
(b) Outline five preparatory procedures for farrowing
(c) Explicitly comment on the management of piglet