



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16, Ahmadu Bello Way, Victoria Island
SCHOOL OF SCIENCE AND TECHNOLOGY
October, 2013 Examination

Course Code: ANP 301

Time Allowed: 2

$\frac{1}{2}$ Hrs

Course Title:

INSTRUCTIONS: i. Answer four questions in all
ii. All questions attract equal marks

1. (a) Discuss the constraints to poultry production in Nigeria
(10 marks)

(b) A farmer boasted to another that he recorded 80-90% hatchability of eggs that were set.

His counterpart however lamented that he recorded only about 40%. What do you consider could be possible reasons for this poor hatchability? **(10 marks)**

(c) List the Means of Transmission, Causative Organism, Signs, Prophylaxis, Treatment of the following diseases: Pullorum disease, Coccidiosis, **(5 marks)**

2. (a) Housing of poultry in tropical in contrast to temperate environments has peculiarities hence certain guidelines should be adhered to. Discuss. **(10 marks)**

(b) Compare and contrast the advantages and disadvantages of the extensive and battery cage systems of poultry management. **(6 marks)**

(c) A client has informed you that he incubated 1000 eggs and 850 were found to be fertile. If 800 of the fertile eggs hatched into chicks, calculate the hatch of fertile and hatch of total? **(4 marks)**

(d) Briefly explain the factors that influence egg sizes **(5 marks)**

3. (a) Discuss in details three predominantly white rabbit breeds **(12 Marks)**

(b) Rabbits are unique in that they produce two kinds of faeces. Explain the types, mode of formation, nutritional content and implications. **(8 marks)**

(c) You have been invited by a Secondary School Agricultural Club to present a talk on "how to detect pregnancy in does". What would you tell them? **(5 marks)**

4. (a) Elaborate on mating in rabbits taking into cognizance the principles, practices and peculiarities. **(12 marks)**

(b) Various types of hutches exist however, each must meet certain requirements. Explain. **(8 marks)**

(c) What methods can be employed to identify rabbits? **(5 marks)**

5. (a) Though there are biases about the rearing of Pigs due to religious and cultural factors, not everything about the pig is bad. Discuss. **(12 marks)**
- (b) Expatiate on the various methods of marketing pigs **(10 marks)**
- (c) List six performance testing criteria on which Boars are selected in order to ensure efficient performance of their offspring. **(3 marks)**
6. (a) Discuss Africa swine fever (ASF), Erysipelas, Anthrax, Foot-and mouth disease under the following headings: Classification, Mode of transmission, General character, Preventive measures **(16 marks)**
- (b) Transporting pigs to the slaughterhouse is an important component of pig production. Discuss **(9 marks)**