

LIBRARY

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF ANIMAL SCIENCE TECHNOLOGY

Session/Semester: 2018/2019 Rain Examination

Course code/Title: AST 202- Principles of Animal Production II (2 Units)

Time allowed: 3hrs

Instructions: Answer five questions, choosing at least one from each section.

SECTION A

1. (a) (i). What do you understand by the term "Poultry"
(ii). Give the list of five species of birds that qualify as poultry
(b)(i). Enumerate the attributes/features which enable birds to adapt and survive in diverse environments.
(ii) State the unique advantages that the poultry enterprise enjoys in comparison with other livestock enterprises.
(c). Discuss briefly the products from poultry and their usefulness to man.
2. (a) Using a well labeled diagram as a guide, discuss the process of egg formation, highlighting the functions of the various segments of the reproductive tract during the process.
(b) State the role(s) of the following hormones in the reproductive process of the Chicken.
(i) Progesterone (ii) Estrogen (iii) Luteinizing Hormone (LH) (iv) Follicular stimulating hormone (FSH) and (v) Oxytocin.
(c) State the functions of the following segments in the digestive tract of the domestic fowl; (i) Crop (ii) Gizzard (iii) Accessory organs (iv) Small intestine (v) Proventriculus
3. (i). State the three (3) husbandry systems of poultry management.
(ii). Describe the intensive system of poultry management, highlighting the advantages over the other systems.
(iii). Distinguish between a well managed litter and a poorly managed one and the steps taken to avoid litter problems.
(iv). Outline the preparations for arrival of day old chicks.

SECTION B

- 4 (a). Highlight the characteristics of Five (5) common breeds of pigs that are found in Nigeria.
(b). What are the advantages of pig farming?
- 5.(a). Write short notes on the following terms used in the pig industry (i) Bacon (ii) Boar (iii) Dam (iv) Farrowing (v) Gilt (vi) Sire (vii) Sow (viii) Lard (ix) Stag (x) Mating.
(b). Discuss breeding practices in pig industry under the following: (i) Hand mating (ii) Pen mating (iii) Artificial insemination. Stating the advantages and disadvantages of each practice.

SECTION C

- 6.(a). Attempt the biological classification of rabbits.
(b). Describe the discovery of rabbits in Nigeria.
(c). State the reasons why you think that rabbit is a one sure way to bridge animal protein intake gap in Nigeria.
- 7.(a) Mention five breeds of rabbits and their characteristic features.
(b). Expatriate on the three sections of the different digestive systems of rabbits and their functions.
(c). What does vitamins do in the body? (specify the functions of each)