



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**91, CADASTRAL ZONE, UNIVERSITY VILLAGE, JABI, ABUJA**  
**FACULTY OF AGRICULTURAL SCIENCES**  
**DEPARTMENT OF ANIMAL SCIENCE**  
**2021\_1 EXAMINATION QUESTION**

**COURSE TITLE: POULTRY PRODUCTION**

**COURSE CODE: ANP 313**

**CREDIT UNIT: 2**

**TOTAL SCORE: 70**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTIONS: Answer Compulsory question ONE (30 marks) and any other two questions (20 marks each)**

1. (a) Briefly define incubation (3 marks)  
(b) Shortly describe the following processes in relation to management practices in the incubator
  - i. Candling (4 marks)
  - ii. Turning (5 marks)  
(c) Differentiate between the fold unit and the portable colony cage (10 marks)  
(d) Enumerate eight factors necessary for solid and strong foundation of poultry building (8 marks)
2. (a) Describe the following practices in relation to maintaining proper hatchery hygiene
  - i. Handling of fertile eggs (5 marks)
  - ii. Egg fumigation (5 marks)
  - iii. Cleaning of the Setter (5 marks)  
(b) State five criteria for breed recognition in poultry (5 marks)
3. (a) Briefly discuss five fundamental principles of scientific breeding (10 marks)  
(b) Highlight four advantages of breeding in poultry (5 marks)  
(c) List five types of poultry equipment (5 marks)
4. (a) Describe how the following factors can affect nutrient requirements in poultry
  - i. Environmental temperature (4 marks)
  - ii. Energy content of the diet (4 marks)

iii. Productive state of the animal (2 marks)

**(b) Outline five specific operations in a poultry farm (5 Marks)**

**(c) Discuss on ventilation in relation to incubator management (5 marks)**