



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF AGRICULTURAL SCIENCES

COURSE CODE: ANP313
COURSE TITLE: POULTRY PRODUCTION (2 UNITS)
DURATION: 2 HRS
INSTRUCTION: ANSWER ANY 4 QUESTIONS

1. (a) State six factors to be considered in site selection and lay-out of poultry building (6 marks)
(b) Highlight five qualities of a good feeder (5 marks)
(c) Distinguish between flat and cabinet incubators (8 marks)
(d) Concisely explain the environmental conditions necessary for embryonic development in the incubator (6 marks)
2. (a) Briefly explain egg positioning in the incubator (3 marks)
(b) State four features associated with embryonic mortality (4 marks)
(c) Explain four factors required for proper maintenance of hatchery hygiene (8 marks)
(d) Discuss the usefulness of any five compartments/rooms in a hatchery facility (5 marks)
3. (a) Define the following terms: (10 marks)
 - (i) Feedstuff
 - (ii) Nutrients
 - (iii) Supplement
 - (iv) Ration
 - (v) Dry matter
(b) Discuss the classification of feed ingredients (12 marks)
(c) What do you understand by anti-nutritional factors (3 marks)
4. (a) Give two advantages and two disadvantages **each**, of ad-libitum and controlled feeding program (8 marks)
(b) Discuss five essential means of achieving high feed efficiency in poultry (10 marks)
(c) Enumerate seven critical factors that can affect nutritional requirements in poultry (7 marks)
5. (a) Outline five criteria for breed recognition (5 marks)
(b) State five traits of economic importance in poultry (5 marks)
(c) Discuss management of breeding stock (5 marks)
(d) Highlight five benefits of artificial brooding over the natural method (5 marks)
(e) Mention five necessary steps in preparation for chicks' arrival (5 marks)

6. (a) Discuss four important considerations in chick's rearing (8 marks)
- (b) Explain egg production cycle (6 marks)
 - (c) State five factors affecting layers' performance (5 marks)
 - (d) Highlight six specific operations to avert poor bird performance (6 marks)