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**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**

**SCHOOL OF AGRICULTURAL SCIENCES**

**SEPTEMBER/OCTOBER 2015 EXAMINATION**

**COURSE CODE: ANP301**

**COURSE TITLE :INTRODUCTION TO NON-RUMINANT ANIMAL PRODUCTION**

**INSTRUCTIONS: ANSWER FIVE (5) QUESTIONS ONLY. ALL QUESTIONS CARRY EQUAL MARKS.**

**TIME ALLOWED: 3 HOURS**

1a. With the aid of examples what do you understand by the term poultry? 7marks

1b. Discuss the advantages and disadvantages of poultry keeping in Nigeria. 13 marks

2a.Name any five improved breeds of chickens that are found in Nigeria. 5marks

2b. Explain the advantages and disadvantages of the extensive and intensive system of poultry production. 15 marks

3a. Discuss the general principles of poultry housing under tropical conditions. 10 Marks

3b. List the qualities of good feeders and drinkers on a poultry farm. 5marks

4. With the aid of a diagram briefly explain the process of digestion and absorption in poultry. 20marks

5a. What are the factors affecting the size of an egg? 5 marks

5b) Discuss in detailed the factors affecting hatchability of poultry eggs. 15marks

6a. What do you understand by the term incubation? 3marks

6b. Explain artificial incubation and its essential requirements. 10marks

6c.With the aid of a diagramme only draw and label the reproductive system of a hen. 7marks

7a.List the characteristics of a good layer and broiler chickens. 10 marks

7b Discuss the poor management practices that can lead to disease outbreak in a poultry farm. 10 marks