



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF ANIMAL SCIENCE AND FISHERIES
SEPTEMBER 2020_1 EXAMINATION**

COURSE CODE: ANP 301

TITLE: INTRODUCTION TO NON-RUMINANT PRODUCTION

CREDITS: 2

INSTRUCTION: Answer question one and any other 3 questions

TIME: 2 HOURS

1. (a) What are the major characteristics of indigenous breed of pigs?
(b) What advantages do rabbit rearing have over the rearing of other livestock?
(c) Discuss briefly the major constraint of poultry production in Nigeria.

25 marks

2. (a) Outline briefly how you can prolong the Shelf-life of eggs.
(b) Why is intensive production system recommended for pig farmers in the tropics.

15 marks

3. (a) List the common breeds of rabbits reared in Nigeria
(b) Using appropriate examples, distinguish between the different types of poultry reared in Nigeria. **15 marks**

4. (a) What are the merits and demerits of battery cage system of poultry rearing?
(b) What are the main components of the male reproductive system of rabbits?

15 marks

5. (a) What are the factors you will consider when selecting rabbits for breeding?
(b) What are the Characteristics of a good drinker and feed trough for birds?

15marks

6. (a) Give five examples each of the following
- (i) Macro minerals
 - (ii) Micro minerals
- (b) (i) What are feed additives
- (ii) Give two examples of feed additives.

15 marks