



NATIONAL OPEN UNIVERSITY OF NIGERIA  
FACULTY OF AGRICULTURAL SCIENCES  
2023\_1 POP EXAMINATION

COURSE CODE: ANP 301

TITLE: INTRODUCTION TO NON-RUMINANT PRODUCTION

CREDITS: 2

TIME: 2 HRS

INSTRUCTION: Answer question one and any other 2 questions

1. (a) Explain the following terms:

- i. Hen day egg production (HDEP)
- ii. Hen house egg production (HHEP)
- iii. Incubation
- iv. Pathogenic diseases

(b) Discuss in detail the concept of caecotrophy in rabbit nutrition.

(c) What is the function of the bile in the digestion of feed by pigs?

(d) What are the pig feeds that are commercially available?

2. (a) What are the traits you will look out for when selecting boar for service?

(b) What are the precautionary measures to be taken in growers management in poultry production? (9 Marks)

3. (a) How will you identify a healthy rabbit?

(b) Discuss the following diseases of pigs under the following headings: mode of transmission, symptoms and preventive measures.

- i. Foot-and-mouth disease
- ii. Erysipelas

4. (a) Supposing 500 eggs were incubated, after 7 days, 450 were found to be fertile. If 400 of the eggs

hatch into chicks. Calculate hatch of fertile and hatch of total?

(b) List some of the tools that should be found in a pig farm.