



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF AGRICULTURAL SCIENCES
SEPTEMBER/OCTOBER 2015 EXAMINATION

COURSE CODE: AEM 723
COURSE TITLE: NON RUMINANT ANIMALS (2 UNITS)
TIME ALLOWED: 2 HRS
INSTRUCTION: ANSWER ANY 4 QUESTIONS

1. a). What are the factors that give pig production a place in the Nigerian livestock sector? (5 marks)
- b). The nutritional composition of non-ruminant animal varies from one another. As animal consultant what nutritional composition would you recommend for the list animal below? (20 marks)

	Animal	Energy (kcal)	Fat(g)	Protein(g)	Water (g)	Cholesterol (g)
1	Rabbit					
2	Chicken					
3	Beef					
4	Pork					

2. In a tabular form state the means of transmission, Causative organism, Prophylaxis and Treatment of Signs of the following diseases? i. Newcastle disease, ii. Infectious bronchitis iii. Fowl pox iv. Gumboro and v. Mareks disease and leucosis (25 marks)
3. a). What is chilling? Outline the different methods of chilling? (5marks)
- b).What is fostering in rabbit production? State the guidelines for carrying out fostering.(13marks)

- c).What is the guidelines a poultry farmer must follow to provide a simple and adequate housing for his flock in a tropical climate like Nigeria? (7 marks)
4. a). As a seasoned poultry consultant, what vaccination schedule would you recommend for pullets of the following age: Day old, 3 Weeks, 4Weeks, 6 Weeks, 8 Weeks, 12 Weeks and 18 weeks old. (14 marks)
- b). Give four examples of hybrid poultry breeds imported into Nigeria. (4 marks)
- c). State five (5) the rules of thumb for feeding pigs? (5 marks)
5. a). How would a rabbit farmer recognise a Healthy Rabbit (7 marks)
- b). Write a brief note on feeding management of ducks (5 marks)
- c). With the aid of a well labelled diagram, list 13 external features of rabbit. (13 marks)
6. a).Identify six measures of disease control in pig farms. (6 marks)
- b).Mention four common equipment found in a typical rabbit hutch. (4 marks)
- c).From the list of ingredients in table below, state the recommended nutrient allowance for Starter diets (10-20kg), Porkers (20-65kg), Baconers (50-90kg) and Heavy pigs (65-120kg). (15marks)

Recommended nutrient allowance for Pigs				
Ingredients	Starter diets (10-20kg)	Porkers (20-65kg)	Baconers (50-90kg)	Heav pigs (65-120kg)
Digestible energy (ME/kg)				
Crude protein (g/kg)				
Salt (NaCl) (g/kg)				
Vitamine A (iu/kg)				
Vitamin B12 (mg/kg)				
Biotia (mg/kg)				