

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
AGRICULTURAL EDUCATION**

ANSC 460: NON-RUMINANT PRODUCTION

STREAMS: AGED Y4S2 (SB)

TIME: 2 HOURS

DAY/DATE: THURSDAY 12/04/2018

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- **Answer all questions in section A and any two in B.**

SECTION A (30 MARKS)

- List various exotic layer and boiler chicken breeds. (2 marks)
 - Outline different advantages of extensive/free range poultry production system. (2 marks)
 - Highlight various advantages of a battery cage system. (2 marks)
 - Highlight requirements of a chicken egg in artificial incubation. (2 marks)
 - Outline care of a-day old chick on arrival in a poultry farm. (2 marks)
- State various essential amino acids provided in chicken diet. (2 marks)
 - List important poultry diseases. (2 marks)
 - List steps of processing table birds. (2 marks)
 - List various rabbits breeds and their body colours. (2 marks)
 - Define caecotrophy and state its importance. (1 mark)
 - List various types of rabbit houses. (1 mark)

3. (a) State different methods for rabbit identification. (1 mark)
- (b) Outline various advantages of rabbit meat. (1 mark)
- (c) Highlight guides in boar selection boar. (1 mark)
- (d) Highlight the importance of the following management practices in piglets
- (i) Iron injection
 - (ii) Tail docking
 - (iii) Teeth trimming
 - (iv) Castration (2 marks)
- (e) Outline various bee species found in Kenya and specify the regions found in. (2 marks)
- (f) Outline functions of a bee queen. (1 mark)
- (g) Outline different advantages of Kenya Top Bar Hives (KTBH) (1 mark)
- (h) State various pests that attack bees and to controlled each. (1 mark)

SECTION B (40 MARKS)

5. (a) Discuss importance of beekeeping industry in Kenya. (10 marks)
- (b) Discuss advantages of keeping rabbits. (10 marks)
6. (a) Write short notes on the following swine diseases
- (i) Mastitis (3 marks)
 - (ii) Pleural Pneumonia (3 marks)
 - (iii) African Swine Fever (3 marks)
 - (iv) Anthrax (3 marks)
- (b) Describe various pig carcass products. (8 marks)
7. (a) Discuss constraints of poultry keeping in a developing country. (10 marks)
- (b) Discuss general principles of poultry housing in the tropics. (10 marks)
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