

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE IN ANIMAL SCIENCE, BACHELOR OF SCIENCE IN
AGRICULTURAL EDUCATION AND BACHELOR OF SCIENCE IN AGRICULTURE**

ANSC 460: NON-RUMINANT PRODUCTION

STREAMS: BSC (AGED) Y4S1

TIME: 2 HOURS

DAY/DATE: TUESDAY 03/12/2019

11.30 AM – 1.30 PM

INSTRUCTIONS:

Answer ALL questions in Section A and any Two in Section B

SECTION A (30 MARKS)

1. (a) List layer breeds of chicken. [2 marks]
- (b) Outline limitations in battery cage poultry production system. [2 marks]
- (c) Highlight benefits of a deep litter poultry production system. [2 marks]
- (d) Describe the construction of a brooder for raising day-old chicks. [2 marks]
- (e) List amino acids synthesized by the quails. [2 marks]
2. (a) List important poultry diseases. [2 marks]
- (b) Highlight attributes used in chicken egg classification. [2 marks]
- (c) List two rabbit types and their body colors. [2 marks]
- (d) Highlight the importance caecotrophy. [2 marks]
- (e) Highlight types of rabbits houses. [2 marks]
3. (a) Highlight the importance of rabbit identification. [2 marks]

- (b) High advantages of rabbit meat. [2 marks]
 - (c) State principles of selecting a boar. [2 marks]
 - (d) Highlight the action required to carry out the following actions in piglets. [4 marks]
 - (i) To supplement iron
 - (ii) To avoid cannibalism
 - (iii) To avoid injury of the teats of the sow
 - (iv) To avoid inbreeding
4. (a) Highlight bee species found in Kenya and specify the regions found in. [2 marks]
- (b) Highlight functions of a worker bee. [2 marks]
- (c) Outline advantages of Langstroth hive. [2 marks]
- (d) Highlight pests that attack bees and how they controlled. [2 marks]

SECTION B (40 MARKS)

5. (a) Discuss factors influencing hatchability of ostrich eggs. [10 marks]
- (b) Discuss factors influencing rabbits keeping. [10 marks]
6. (a) Discuss methods minimizing disease spread in pigs. [10 marks]
- (b) Discuss methods of promoting bee-keeping in Kenya. [10 marks]
7. (a) Explain the importance proper feeding of geese in tropics. [10 marks]
- (b) Discuss factors influencing rabbits housing. [10 marks]
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