

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF SCIENCE IN ANIMAL HEALTH AND PRODUCTION

ANSC 460: NON-RUMINANT PRODUCTION I

STREAMS: AGRIC Y4S2

TIME: 3 HOURS

DAY/DATE: FRIDAY 13/04/2018

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer ALL Questions in Section A and any other TWO in Section B

SECTION A: [30 MARKS]

- (a) What are the advantages of geese farming? [2 Marks]
 - (b) Highlight drawbacks of indigenous chicken. [2 Marks]
 - (c) Outline benefits of rearing ducks in an open and unrestricted area. [2 Marks]
 - (d) Describe commercial production systems of domestic fowl. [2 Marks]
 - (e) Highlight benefits of housing quails. [2 Marks]
- (a) List common mineral rich feed ingredients for layers. [2 Marks]
 - (b) Highlight methods of preserving Turkey eggs. [2 Marks]
 - (c) Give protein requirements levels for various rabbit classes. [2 Marks]
 - (d) Describe nature of rabbit soft faeces. [2 Marks]
 - (e) Highlight methods for improving pig performance. [2 Marks]
- (a) Describe methods of stimulating a sow to be on regular heat. [2 Marks]
 - (b) State East African regions occupied by the following bee types; [2 Marks]
 - (i) *Apis mellifera littorea*
 - (ii) *Apis mellifera monticola*
 - (iii) *Apis mellifera scutellata*
 - (iv) Arid and semi-arid lands
 - (c) Outline various conditions influencing supersedure in a bee colony. [2 Marks]
 - (d) Highlight various drawbacks of drones in a bee colony. [2 Marks]
 - (e) Outline structures of a bee worker that facilitate them in their duties. [2 Marks]

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SECTION B:

- 4. (a) Discuss factors influencing artificial incubation of ostrich eggs. [10 Marks]
(b) Explain in details, rabbit management. [10 Marks]

 - 5. (a) Discuss factors influencing pig housing in tropics. [10 Marks]
(b) Discuss factors influencing spread of poultry diseases in deep litter system. [10 Marks]

 - 6. (a) Explain in details the importance of regular bee hive inspection. [10 Marks]
(b) Describe classification of various pig carcasses. [10 Marks]
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