

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH AND PRODUCTION

ANSC 00360: NON-RUMINANT PRODUCTION

STREAMS:

TIME: 2 HOURS

DAY/DATE: THURSDAY 7/12/2017

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer all questions in SECTION A and any TWO question in SECTION B
- Do not write on the question paper

SECTION A: [40 MARKS]

QUESTION ONE

Define the following terms

- | | |
|-------------------------|-----------|
| (a) Boar | [2 Marks] |
| (b) Apiary | [2 Marks] |
| (c) Supercedure | [2 Marks] |
| (d) Breed [2 Marks] | |
| (e) Temporal polytheism | [2 Marks] |

QUESTION TWO

- (a) Give the role of the following bees in a colony;
- | | |
|-------------|-----------|
| (i) Worker | [4 Marks] |
| (ii) Drone | [1 Mark] |
| (iii) Queen | [2 Marks] |
- (b) List three dances performed by honey bees as a means of communication to hive mates. [3 Marks]

QUESTION THREE

- (a) Explain the process undergone by an egg as it passes through the following parts of the oviduct during its formation
- | | |
|--------------|-----------|
| (i) Magnum | [2 Marks] |
| (ii) Isthmus | [2 Marks] |
| (iii) Uterus | [2 Marks] |
- (b) What is the significance of an egg turning through an angle of 180° in uterus before oviposition? [4 Marks]

QUESTION FOUR

- (a) List five characteristic features of landrace breed of pigs. [5 Marks]
- (b) Give the reasons why the following routine practices are conducted on piglets.
- (i) Iron supplementation [1 Mark]
 - (ii) Castration [2 Marks]
 - (iii) Docking [2 Marks]

SECTION B [30 MARKS]

QUESTION FIVE

Discuss in details the honey harvesting process indicating all the equipment needed and the function (s) of each. [15 Marks]

QUESTION SIX

Outline factors to consider before investing in aquaculture. [15 Marks]

QUESTION SEVEN

Discuss the benefits of engaging in non-ruminant animal husbandry. [15 Marks]

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