



SIR ARTHUR LEWIS COMMUNITY COLLEGE

DIVISION OF AGRICULTURE

END OF SEMESTER TWO EXAMS

#510

CERTIFICATE IN GENERAL AGRICULTURE

SMALL STOCK PRODUCTION (AGR104)

Friday 30th April, 2010

9:00 a.m.

Duration: 2 ½ hrs

INSTRUCTIONS: *This paper consists of five questions. You are to answer ANY FOUR questions. Each question is worth 20 marks; marks awarded to each part of a question are indicated.*

1.
 - a. List FIVE (5) factors affecting livestock production in the Caribbean. (5mks)
 - b. State how ANY THREE factors listed above affect livestock production. (9mks)
 - c. "The livestock sector makes no significant economic or social contribution to the countries of the Caribbean".
Do you agree or disagree with this statement? Give FOUR reasons for your answer. (4 mks)
 - d. Name two climatic zones within the tropical climate. (2mks)

2.
 - a. Give TWO factors which should be considered when selecting bucks and does for first mating. (4mks)
 - b. You are trying to help form five students at a secondary school understand how to develop a production schedule for rabbits. As a first step you have decided to explain the breeding cycle of the rabbits.
Using a diagram, explain the breeding cycle of a rabbit. (10mks)
 - c. What are the procedures involved in palpation of the doe to test for pregnancy? (5mks)
 - d. Name ONE (1) breed of rabbit reared for meat in the Caribbean. (1mk)

3.
 - a. Name THREE (3) breeds of pigs reared in the Caribbean. (3mks)
 - b. List FOUR distinguishing features of ANY ONE breed named above. (4mks)
 - c. Differentiate between 'oestrus' and 'oestrus cycle'. (2mks)
 - d. State the duration of EACH in the sow. (2mks)
 - e. Define the term 'cross breeding'. (2mks)
 - i. Name TWO systems of crossbreeding pigs. (2mks)

- f. Give TWO reasons why recordkeeping is important in a pig production enterprise. (2mks)
- g. Name THREE types of records kept in a pig production enterprise. (3mks)

4.

- a. Name THREE (3) breeds of sheep and TWO (2) breeds of goats reared in the Caribbean. (5mks)

Differentiate between ANY TWO breeds of sheep and the TWO breeds of goat named in (a) above. (16mks)

- b. Define the following terms as related to sheep and goat:

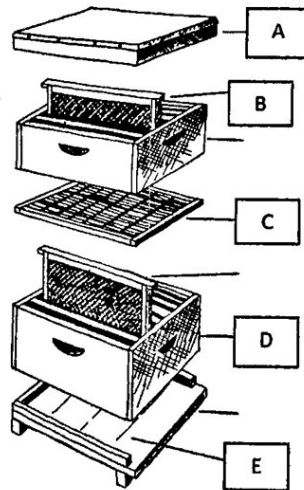
- i. Ewe
- ii. doe
- iii. buck
- iv. ram

(6mks)

5.

- a. Differentiate among the three castes of bees in a hive. (6 mks)

- b. The following is a diagram of the most common type of hive used in apiaries in the Caribbean.



- (i) Name the type of hive. (1mk)
 - (ii) Name ANY TWO (2) parts of the hive. (2mks)
 - (iii) Give the function of EACH part named above. (4mks)
- c. Name ONE product obtained from bees. (1mk)
- d. List SIX (6) tools or pieces of equipment used in beekeeping. (6mks)