

SIR ARTHUR LEWIS COMMUNITY COLLEGE  
DIVISION OF AGRICULTURE  
END OF SEMESTER TWO EXAMS



CERTIFICATE IN GENERAL AGRICULTURE  
SMALL STOCK PRODUCTION (AGR104)

#814

Date: 18<sup>th</sup> April 2012

Duration: 2 ½ hrs

**INSTRUCTIONS:** *This paper consists of two sections, Section A and Section B. Section A consists of ONE COMPULSORY question and Section B consists of 4 questions of which you must do ANY THREE. Marks awarded to each question are indicated next to each question.*

**SECTION A**

- a. Name ANY SIX (6) parts of a langstroth beehive. [6]
- b. State TWO (2) ways that beekeeping can be beneficial to agriculture. [2]
- c. Name THREE (3) products that a farmer can get directly from a beehive. [3]
- d. Explain how honey is harvested from a hive. [5]
- e. Name the castes of bees found in a beehive. [3]
- f. Give ONE (1) function of EACH caste named. [3]
- g. Give ONE (1) distinguishing feature of EACH caste. [3]

**TOTAL 25**

**SECTION B**

**Answer ANY THREE questions**

- 2. Pig/swine production is one of the more popular livestock enterprises in St. Lucia
  - a. Name TWO of the most common breeds of pigs reared in St. Lucia. [2]
  - b. State TWO characteristics of EACH breed. [4]
  - c. Name ONE disease affecting **PIGLETS**. [1]
  - d. Give ONE sign and ONE treatment for the disease that you named in c above. [2]
  - e. Explain THREE (3) ways in which diseases can be prevented or treated on an animal farm. [9]
  - f. Give TWO (2) characteristics you will look for in a boar that you are considering using for breeding. [2]

**TOTAL 20**

3. Care of sow and young are an extremely important part of pig production.
- a. State TWO (2) signs of oestrus in sows. [2]
  - b. i. Give TWO (2) signs that the sow is getting ready to give birth to her litter. [2]
  - ii. List THREE (3) practices which must be done in preparation for farrowing. [3]
  - iii. Give ONE (1) reason for EACH preparation listed in ii. above. [3]
  - c. Name THREE (3) practices that are recommended to be carried out before piglets are 10 days old. [3]
  - d. i. Give ONE reason why EACH practise that you named in c must be done. [3]
  - ii. EXPLAIN how ANY ONE (1) of the practices named is carried out. [4]
- TOTAL 20**

4. Animal production in the Caribbean is affected by a number of factors.
- a. List ANY THREE factors other than environmental, which affect animal production. [3]
  - b. State THREE (3) ways that each factor named can affect livestock production. [9]
  - c. Environmental factors may be further subdivided into FIVE (5) factors name ANY THREE of these other factors. [3]
  - d. BRIEFLY describe how ANY ONE factor named in c. above can affect livestock production. [2]
  - e. State THREE ways in which the livestock sector contributes to the economies of the Caribbean. [3]
- TOTAL 20**

5. Aquaculture farming is not as popular as other forms of animal production in St. Lucia
- a. Define the term 'aquaculture' [1]
  - b. What two species of animals are reared in aquaculture farming in St. Lucia? [2]
  - c. There are eight basic components of any aquaculture production system.
    - i. Name these components. [8]
    - ii. Explain the importance of ANY THREE of those components named in i. above. [9]
- TOTAL 20**

**END OF TEST**