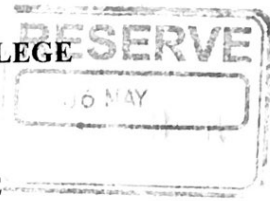




SIR ARTHUR LEWIS COMMUNITY COLLEGE



DIVISION OF AGRICULTURE

GENERAL AGRICULTURE - CERTIFICATE

ACADEMIC YEAR 2013/2014

END OF SEMESTER TWO EXAMINATION

#518

COURSE: (AGR 104) SMALL STOCK PRODUCTION

Date: May 2014

Time: 9:00 a.m.

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.

You are required to answer questions on the paper provided.

Marks awarded to each question are indicated at the end of each question.

SECTION A

1. Apiculture is considered a profitable business in Saint Lucia.
 - a. State TWO (2) benefits of beekeeping to agriculture. [2]
 - b. Name two types of hives which can be used in Saint Lucia. [2]
 - c. Name the most common type of hive used in apiaries in Saint Lucia and give THREE (3) advantages of this hive over any one named in b. above [4]
 - d. Name ANY SIX (6) parts of the hive named in c above and give the function of EACH part. [6]
 - e. Explain how honey is harvested from that hive. [5]
 - f. Give THREE factors to be considered when selecting a location for a beehive. [3]
 - g. Give ONE (1) function of EACH caste of bees in a hive. [3]

TOTAL 25

SECTION B

Answer any THREE questions.

2. Pig production is one of the most popular livestock enterprises in Saint Lucia.
 - a. Name TWO (2) of the most common breeds of pigs reared locally. [2]
 - b. Differentiate between the two breeds named above using TWO physical characteristics and ONE (1) non-physical characteristic. [6]
 - c. Give TWO (2) signs that you would observe when a sow is ready to give birth. [2]
 - d. Name THREE (3) practices that are recommended to be carried out on young piglets. [3]
 - i. Give ONE reason for EACH practice named in e above. [3]
 - ii. Explain how ANY ONE practice identified above is done. [4]

TOTAL 20

3. Animal production in the Caribbean is affected by a number of factors.
- State THREE ways in which the livestock sector contributes to the economies of the Caribbean. [3]
 - List ANY THREE factors other than health, which affect animal production. [3]
 - Diseases may be classified as infectious or non-infectious. Differentiate between these two terms. [2]
 - Non-infectious diseases are further classified based on their type/cause. Differentiate among the types of non-infectious disease. [12]
- TOTAL 20**

4. One of your class mates indicates that he is interested in aquaculture production, and has come to you for advice.
- Define the term 'aquaculture'. [1]
 - Explain THREE (3) challenges to aquaculture production in Saint Lucia. [6]
 - Give THREE (3) ways that aquaculture can benefit Saint Lucia. [3]
 - Describe the following systems of aquaculture production
 - cage culture
 - pond culture
 - tank culture [6]
 - State FOUR (4) components of an aquaculture production unit. [4]
- TOTAL 20**

5. Demand for rabbit meat is increasing in Saint Lucia, so you have decided to go into production of rabbits.
- Which TWO (2) breeds of rabbits would you use in your production unit?[2]
 - Give TWO (2) reasons for your choice. [2]
 - Give THREE physical characteristics that you would use to select animals for your unit. [3]
 - Name THREE (3) breeds of sheep and TWO (2) breeds of goats reared in the Caribbean. [5]
 - Describe EACH breed of sheep named above. [6]
 - Describe ANY breed of goat named in c above. [2]
- TOTAL 20**

END OF TEST