



SIR ARTHUR LEWIS COMMUNITY COLLEGE
DIVISION OF AGRICULTURE

ASSOCIATE DEGREE IN GENERAL AGRICULTURE

2008/09 END OF SEMESTER ONE EXAMINATION

#A36

COURSE: HORTICULTURAL CROPS AGRONOMY – HCA204

DURATION: 2 ½ HOURS.

DATE: 9th DECEMBER 2008

Answer any five (5) questions. START EACH QUESTION ON A SEPARATE SHEET.

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1. (a) Most plants can be classified as both annual and biennials or (perennials). Explain. (6)
 - (b) Identify any three environmental factors and explain how each may affect crop growth. (6)
 - (c) Distinguish between photosynthesis and respiration. (8)
 2. (a) What are the major purposes of propagation and discuss the importance of seed dormancy to plants and growers? (6)
 - (b) Compare and contrast budding and grafting. (8)
 - (c) What is apomixis and how does it differ from parthenocarpy? (6)
 3. A farmer asked your advice about organic farming. Explain some of the benefits and constraints to this method of farming? (20)
 4. Landscaping is a fast growing niche market in St. Lucia. Define the term **Landscaping** and discuss its basic principles. (20)

OR

The cut flower industry is an area that is under developed. Discuss some possible reasons for this and make suggestions as to how this industry may be developed. (20)

5. Define and write three factual statements on the following:
 - (a) Pruning (5)
 - (b) Mulching (5)
 - (c) Crop rotation (5)
 - (d) Green house production. (5)
6. Use a matrix to do a comparative analysis of the production of any three crops belonging to any one of the following:
Solanaceae; Brassica (cole crops) or Root Crops. (20)

*****END OF EXAM*****