



**SIR ARTHUR LEWIS COMMUNITY COLLEGE  
DIVISION OF AGRICULTURE**

**CERTIFICATE IN GENERAL AGRICULTURE**

#C33

**2008/09 END OF SEMESTER TWO EXAMINATION**

**COURSE: CROP PRODUCTION & TECHNOLOGY – CPT111**

**DATE: 30<sup>th</sup> APRIL 2009**

**DURATION: 2 Hours 15 Min.**

**Answer each question on a new sheet. Answer any question**

1. (a) List three objectives of land preparation and state how each objective can enhance crop production. **(10)**
- (b) Explain briefly to a farmer how parietal selection may be beneficial to him/her. **(5)**
- (c) Discuss two (2) ways that transplant may be advantageous or direct seeding. **(5)**
2. (a) Explain how a cropping schedule may be beneficial to a farmer. **(5)**
- (b) Organic farming is experiencing a resurgence. Discuss how organic farming differs from traditional farming and give **two (2)** reasons for the resurgence. **(10)**
- (c) Define the term crop rotation and give three (3) benefits of this system. **(5)**
3. (a) List in sequential order, the stages involved in the production of a crop. **(5)**
- (b) Insect pests are one of the greatest threats to crop production.
  - (i) Identify the main categories of insect pest, giving one example of each category.
  - (ii) Name the methods of control and give two reasons why you would recommend a particular method(s). **(10)**
- (c) Weeds are considered pests. Discuss. **(5)**
4. Water is critical in crop production.
  - (a) Explain why the above statement is true. **(6)**
  - (b) List the types of irrigation system used locally and give one advantage and one disadvantage of each system named. **(9)**
  - (c) Discuss **three** methods of measuring soil moisture. **(10)**
5. (a) Define **three** methods of measuring soil moisture. **(5)**
- (b) Organic farming is being promoted as a new way forward. Explain how it differs from present day farming methods and two benefits to be gain from using it. **(10)**
- (c) List **three** reasons why loam soils recommended for vegetable production. **(5)**
6. List two objectives of post harvest technology and how these objectives may be achieved. **(20)**

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