



SIR ARTHUR LEWIS COMMUNITY COLLEGE  
DIVISION OF AGRICULTURE



**General Agriculture - Certificate**  
Academic Year 2013/2014  
End of Semester Two Examinations

Course: **CPT 111 – Crop Production & Technology** #C55

Date: **12<sup>th</sup> May 2014**

Time: 9:00 a.m.

Duration: 2½ Hrs

**Instructions:** Answer any five questions.

1. a. What is a crop? Discuss any **three (3)** factors a farmer should consider when selecting a crop to be grown. (10)
- b. Explain **two (2)** ways how a cropping schedule can be beneficial to the farmer. (5)
- c. List the farming systems commonly used in the Caribbean. (5)
2. a. Explain the **four (4)** principles of pest management. (8)
- b. Discuss **three (3)** ways how weeds may affect crop production. (6)
- c. List **one** method of pest control and give its advantages and disadvantages. (6)
3. a. Discuss any three methods of measuring soil moisture. (9)
- b. (i) List **three (3)** methods of irrigation
- (ii) Give **one** advantage and one disadvantage of each method named. (9)
- c. Explain **one** way how water stress may affect crop production. (2)
4. a. i) What is soil conservation? (1)
- ii) State two soil conservation practices commonly used in the region. (4)
- b. Discuss the benefits of good land preparation in crop production. (10)
- c. i) Define the term **SOIL FERTILITY**. (2)
- ii) Explain two ways a soil may (a) gain fertility and (b) lose fertility? (4)
5. a. What is the main objective of post-harvest technology? (4)
- b. i) Define the term **QUALITY**. (2)
- ii) Discuss ways a farmer can maintain quality. (6)
- c. i) When is a crop ready to harvest. (2)
- ii) List two factors that would influence your time of harvest. (2)
- iii) Briefly discuss methods of harvesting. (4)
6. Soil rich in organic matter is suitable for vegetable production.
  - a. Define organic matter and name three common types. (5)
  - b. Discuss three advantages of using organic matter in vegetable production. (5)
  - c. i) Define the term **AGRICULTURAL TECHNOLOGY** (1)
  - ii) Discuss three ways technology is utilized in Agriculture. (9)