



V F DAGRI Past Papers
SIR ARTHUR LEWIS COMMUNITY COLLEGE
DIVISION OF AGRICULTURE

CERTIFICATE IN GENERAL AGRICULTURE

2012/2013 END OF SEMESTER TWO EXAMINATION

#C52

COURSE: CROP PRODUCTION & TECHNOLOGY – CPT111

DATE: 15th May, 2013

DURATION: 2 ½ Hours.

1. Answer ALL questions.
2. Begin EACH question on a NEW SHEET.

1. (a) i. Define the term **Crop Production**. (1)
ii. Discuss **three** ways how technology may be used to improve crop production. (6)
(b) List the stages in the production cycle. (6)
(c) Discuss **three** factors that should consider if one is thinking of going into crop production. (6)
2. (a) State **five** types of cropping systems commonly practiced in the Caribbean. (5)
(b) Discuss any **three** environmental factors that may affect crop production. (6)
(c) i. What is tillage and name **two** types of tillage. (3)
ii. State **three** benefits of good land preparation. (6)
3. Pest and diseases have a negative impact on crop production and productivity.
(a) i. List the **four** basic principles involved in pest control. (4)
ii. Discuss any **three** methods of pest control. (6)
(b) List any **four** precautions that should be observed in the safe use of pesticides. (4)
(c) Explain **three** ways that weeds may affect crop growth. (6)
4. In present times large scale crop production depends heavily on the use of agro chemicals.
(a) i. What do you understand by the term **Agro-chemical**? (2)
ii. List the categories of agro-chemicals commonly used in crop production. (5)
(b) i. Define the term **Organic Farming** and state how it differs from conventional agricultural practices. (3)
ii. Give **two** reasons why organic farming is becoming popular again. (4)
(c) The use of Greenhouse Technology has become a common practice among farmers. Discuss **three** advantages of greenhouse production over open field production. (6)
5. It is estimated that about 30% of horticultural produce is lost at the post-harvest stage (FAO-2002)
(a) i. State **two** objectives of post-harvest technology. (2)
ii. Discuss **one** way that each objectives may be achieved. (4)
(b) i. List **four** elements of marketing. (4)
ii. Discuss how any **two** elements listed in (b) i. that may affect quality of produce. (4)
(c) i. Discuss **two** factors a farmer may use to determine if the produce should be harvested. (4)
ii. List the methods of harvesting. (2)

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