



The Open University of Sri Lanka
Faculty of Engineering Technology
Diploma/Degree in Technology and Industrial Studies (Agriculture)
Final Examination- 2008/2009
AEX3230 Crop Production and Farming Systems

Date : 26-03-2009
Time : 1400-1700 hours

SECTION II: Answer any four (04) questions

- (1) (a) What are the common cultural practices used in vegetable cultivation?
(b) Briefly explain the important steps in preparation and maintenance of a chilli nursery for the production of good seedlings.
- (2) Briefly explain the importance of following practices for the successful crop growth and their yield.
 - (a) Land preparation
 - (b) Use of newly improved varieties/hybrids
 - (c) Fertilizer use
- (3) (a) Write an account on advantages of selecting good quality planting material for commercial plantations.
(b) How do you rehabilitate an old tea plantation in low country wet zone of Sri Lanka?
- (4) (a) Classify the different multiple cropping patterns used in Sri Lanka.
(b) Write a short essay on "merits of using legumes" in cropping systems.
- (5) (a) Outline the most important aspects in harvesting and processing of bulb crops.
(b) Briefly discuss the problems faced by the vegetable farmers in Sri Lanka and suggest appropriate remedial measures to overcome them.
- (6) Write short notes on any three (03) of the following.
 - (a) Agronomic concepts of inter-cropping
 - (b) Special anatomical features in C₄ plants
 - (c) Yield determining factors of sugarcane
 - (d) Importance of live mulches in fertility regenerating systems.