



The Open University of Sri Lanka
Faculty of Engineering Technology
Diploma/Degree in Technology and Industrial Studies (Agriculture)
Final Examination- 2009/2010
AEX3230 Crop Production and Farming Systems

Date : 20-03-2010
Time : 13.30-16.30 hours

SECTION II: Answer any four (04) questions

- (1) (a) Briefly explain the importance of environment in plant growth.
(b) Briefly discuss the factors which should be considered in root crop cultivation.
- (2) (a) Briefly outline the advantages of using clones in tea plantations
(b) How do you manage a tea nursery in order to get quality planting material?
- (3) Briefly explain the importance of following practices in crop production;
 - (a) Land preparation
 - (a) Use of improved varieties/hybrids
 - (b) Use of organic fertilizer
- (4) (a) Briefly outline the importance of intercropping
(b) Write a short essay on "Agronomic concepts of intercropping"
- (5) 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) Avenue or alley cropping
 - (b) Dapog nursery
 - (c) Zero tillage
 - (d) In-situ mulches