



The Open University of Sri Lanka
Faculty of Engineering Technology
Industrial Studies Program



Final Examination- 2007

AEX3230 Crop Production and Farming Systems

Date : 25-04-2008
Time : 0930-1230 hours

SECTION II: Answer any four (04) questions

- (1) (a) What are root and tuber crops?
(b) Evaluate their usefulness in the food crop sector of Sri Lanka.
- (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) Agronomic practices
- (3) (a) Comment on deforestation and its effect on soil, environment and erosion.
(b) Distinguish the advantages of no-till farming over conventional tillage farming.
- (4) (a) Write a short essay on Avenue or alley cropping.
(b) Outline briefly the fodder trees available in Sri Lanka and their uses.
- (5) (a) Categorize the various vegetable types grown in Sri Lanka.
(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) Stable farming systems
 - (b) Factors affecting bulb formation in onion.
 - (c) Land Equivalent Ratio (LER)
 - (d) Advantages of intercropping