



The Open University of Sri Lanka
 Faculty of Engineering Technology
 Industrial Studies (Agriculture) Program of Study
 Final Examination -2011/2012

AEX3230 Crop Production and Farming Systems

Date : 10-03-2012
 Time : 1400-1700
 Duration : Three (03) hours

SECTION II: Answer any four (04) questions

- (1) (a) What are the elements of natural environment?
 (b) Briefly discuss the important environmental factors to be considered in crop production.
- (2) Briefly explain the importance of following practices in crop production.
 - (a) Cultural practices
 - (b) Use of recommended varieties
 - (c) Pest and disease control
- (3) "Sri Lanka has wide range of crops and cropping systems" critically evaluate the statement with giving suitable examples.
- (4) (a) Write a short essay on "agronomic concepts of inter-cropping".
 (b) Briefly outline the advantages and disadvantages of seed bed preparation in crop production.
- (5) (a) Classify the 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 four (04) of the following.
 - (a) Stable farming systems
 - (b) Factors affecting bulb formation of onion.
 - (c) In-situ mulches
 - (d) Importance of testing viability of vegetable seeds
 - (e) Potassium deficiency in Coconut plantation