



The Open University of Sri Lanka
Faculty of Engineering Technology

Diploma/Degree in Technology and Industrial Studies (Agriculture)

Final Examination -2013/2014

AEX3230 Crop Production and Farming Systems

Date : 06-08-2014
Time : 0930-1230
Duration : Three (03) hours

SECTION II: Answer any four (04) questions

- (1) (a) What is meant by multiple cropping?
(b) How do you assess the yield advantage of intercropping over sole cropping?
- (2) Briefly explain the importance of following in crop production.
(a) Land preparation and soil conservation
(b) Water management
- (3) "Sri Lanka has a great potential to cultivate wide range of vegetables"
Critically evaluate the statement with giving examples.
- (4) (a) What are the elements of natural environment?
(b) Briefly discuss the importance of environment in plant growth.
- (5) (a) Write a short essay on "effects of deforestation on soil and environment"
(b) Briefly outline the importance of soil fertility regenerating systems in crop production.
- (6) Write short notes on any four (04) of the following
 - (a) Function of Breeder's seeds
 - (b) Advantages following DOA recommendations in crop production
 - (c) Purpose of avenue or alley cropping
 - (d) Inoculation of legume seeds
 - (e) Maximum land use in coconut cultivation