



The Open University of Sri Lanka
Faculty of Engineering Technology
Industrial Studies (Agriculture) Programme
Final Examination – 2011/2012
**AEI6137 Impact of Climate Change on Water
Resources**

Date : 04-03-2012
Time : 09.30 – 12.30
Duration: Three (03) hours

SECTION II: Answer any **four (04)** questions. All questions carry equal marks.

- (1) (a) Explain the impacts of climate change on agriculture.
(b) Write a brief account on how ruminant animals contribute to green house gases.
- (2) Briefly explain the impacts of climate change on forests and possible adaptation measures with suitable examples
- (3) Explain the ability and need of models to project future climate.
- (4) Discuss the possible shortcomings of the vulnerability assessment of climate change on water resources.
- (5) Explain the impacts of climate change on coastal water resources in Sri Lanka and the adaptive measures.
- (6) Write short notes on any **three (03)** of the following.
 - (a) Rainfall variability in Sri Lanka
 - (b) Climate change modelling
 - (c) Green house effect
 - (d) Aquifers in Sri Lanka



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

AEI6138 Fruit crops and cut flower production

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

SECTION II: Answer any four (04) questions

- (1) (a) Briefly discuss the present status of fruit crops industry in Sri Lanka
 (b) Give your suggestions to improve the production and marketing of underutilized fruits in Sri Lanka.
- (2) Briefly explain the importance of following practices for the successful fruit crop industry.
 - (a) Use of budded plants
 - (b) Use of recommended varieties
 - (c) Harvesting of fruits at their correct maturity stage
- (3) (a) What are the climatic conditions needed to grow orchids?
 (b) Briefly outline the vegetative propagation methods of dendrobium
- (4) (a) Write a short essay on "yield management of mango".
 (b) Briefly discuss the propagation and cultivation methods of pineapple.
- (5) (a) Briefly discuss the importance of using basic principles in landscaping.
 (b) Write a short essay on "Importance of Balance and Harmony" in a landscape design.
- (6) Write short notes on any four (04) of the following.
 - (a) Yield management of Rambutan
 - (b) Flower induction in pineapple cultivation
 - (c) Common insects pests that attack fruit crops
 - (d) Grading and packing cut flowers for export market.
 - (e) Growth habits of orchids