



The Open University of Sri Lanka  
Faculty of Engineering Technology  
Bachelor of Industrial Studies (Agriculture)

Final Examination- 2009/2010

**AEI6137 Impact of Climate Change on Water Resources**

Date : 14/03/2010

Time : 9.30-12.30

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**SECTION II**

- (1) Briefly explain the emission of Green House Gasses from Sri Lankan Agro-forestry system and the possible adaptation measures.
- (2) Discuss the effect of sea level variation due to climate change on coastal agriculture of Sri Lanka with suitable examples from coastal zones.
- (3) Critically discuss the shortcomings in the vulnerability assessment of water resources in Sri Lanka and suggest the adaptation measures to overcome those shortcomings.
- (4) Write an essay on impact of climate change on the quality of surface and ground water in Sri Lanka with special reference to dry zones areas with suitable examples.
- (5) Explain the role of the integrated Water Resources Management as a solution for the impacts of climate change on water resources.
- (6) Write short notes on any three (03) of the following
  - (i) Green House Effect
  - (ii) Causes for Ozone depletion
  - (iii) Impact of Animal Husbandry on Climate change
  - (iv) Climate Change Modelling