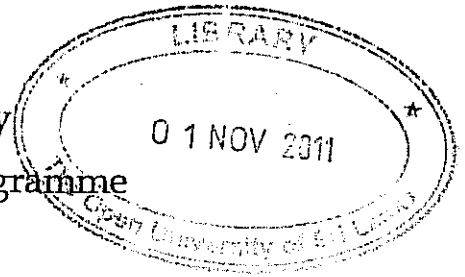


The Open University of Sri Lanka  
 Faculty of Engineering Technology  
 Bachelor of Industrial Studies Programme

Final Examination- 2010/2011

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



Date : 13/03/2011  
 Time : 0930-1230  
 Duration : Three (03) hours

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**SECTION 2: Answer any four (04) questions. All questions carry equal marks.**

1. Briefly describe how global climate change affect agriculture and explain suitable adaptation measures for Sri Lanka
2. "Vulnerability of water resources to climate change is a constraint for development". Write an essay on possible adaptation responses to reduce vulnerability of water resources.
3. Explain the Ozone layer destruction and main causes for human health
4. Write short note on any three (03) of the following
  - a. Aquifers and their potential in Sri Lanka
  - b. Ability of Models to project future climate
  - c. Greenhouse effect mechanism with diagram
  - d. Tsunami in Sri Lanka
5. Describe the response of crops and livestock for climate change and comment on the impacts on human foods
6. Briefly explain the contribution to carbon dioxide by forestry sector.