

**THE OPEN UNIVERSITY OF SRI LANKA  
POST-GRADUATE DIPLOMA/M.Sc. IN ENVIRONMENTAL SCIENCE  
LEVEL 7 - FINAL EXAMINATION 2010/11  
NEP2209 – AQUATIC RESOURCES AND THEIR MANAGEMENT  
DURATION - 3 HOURS**



DATE: 31<sup>st</sup> March 2012

Time: 1.30 p.m. – 4.30 p.m.

**Answer any four (4) questions**

1. Write an account on aquifers.  
Explain the ways by which the water in aquifers could be polluted.
2. The algal bloom problem observed in a reservoir was not occurred after taking proper controlling measures.
  - (i) Discuss the factors responsible for blooms formation in reservoirs.
  - (ii) Briefly discuss the possible controlling techniques to control eutrophication and blooming.
3. Write an essay on 'Mangroves and their Management Problems'.
4.
  - (i) Briefly describe the problems associated with the lagoons in Sri Lanka.
  - (ii) Explain how a prawn farm could be operated successfully causing minimum problems to the lagoon, which it is connected.
5. Discuss the "incompatible coastal resource use" which has become one of the main coastal problems in Sri Lanka.
6.
  - (i) Describe the factors that lead to coastal erosion in the southwestern region of Sri Lanka.
  - (ii) Explain the coastal protection techniques that have been applied to protect the coastal area.
7. Write notes on any two (2) of the following;
  - (a) Physicochemical characteristics of a 1<sup>st</sup> order streams
  - (b) Classification of lakes based on thermal stratification
  - (c) Commonly used fishing gears in Sri Lanka

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