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THE OPEN UNIVERSITY OF SRI LANKA
POST-GRADUATE DIPLOMA/M.Sc. IN ENVIRONMENTAL SCIENCE
LEVEL 7 - FINAL EXAMINATION 2009/10
NEP2209 – AQUATIC RESOURCES AND THEIR MANAGEMENT

DURATION - 3 HOURS

DATE: 25th February 2011 Time: 1.30 p.m. – 4.30 p.m.

Answer any four (4) questions

1. Discuss the dissolved oxygen profiles in productive and unproductive temperate lakes. Explain the type of oxygen curve that you would expect in a tropical eutrophic lake.

2. (i) Describe the occurrence of subsurface waters using fully labeled diagrams.
   (ii) Discuss the ground water pollution issues in Sri Lanka.

3. Discuss the interferences of human with respect to the ecological balance in Mundel Lake.

4. (i) In which ways are the mangrove ecosystems in Sri Lanka affected by human activities?
   (ii) Discuss the consequences of over exploitation and destruction of mangrove vegetation.

5. Discuss the major environmental issues encountered in southern coastal zone of Sri Lanka due to tourism.

6. (i) Briefly describe the importance of the coral ecosystem.
   (ii) Discuss human influence on the coral ecosystem of Sri Lanka.

7. Write notes on any <u>two (2)</u> of the following;
   (a) Properties of water in relation to the structure of its molecules
   (b) Surface water issues in Sri Lanka
   (c) The marine fishery resources of Sri Lanka