

THE OPEN UNIVERSITY OF SRI LANKA
POST GRADUATE DIPLOMA IN ENVIRONMENTAL SCIENCES
LEVEL 7 – FINAL EXAMINATION 2008/09
NEP 2209 – AQUATIC RESOURCES AND THEIR
MANAGEMENT



DURATION – 3 HOURS

DATE: 31.08.2009

TIME: 9.30 a.m. – 12.30 p.m.

Answer any four (4) questions

1. Write an account on the following:
 - (i) The stream orders in drainage basins.
 - (ii) The differences in 1st order and 4th order streams in terms of physicochemical characteristics.
2.
 - (i) Describe the functions and values of wetlands.
 - (ii) Briefly explain the threats to wetlands in Sri Lanka.
3.
 - (i) Explain the causes of eutrophication in the Kotmale reservoir and its impacts.
 - (ii) Discuss the preventive measures to control eutrophication process.
4. Explain the environmental problems and their management in relation to coral reef ecosystems.
5. Implementation of an environmental management programme will be successful only if there is a change in people's attitudes and behaviours through education. Considering coastal resource management as the area of interest;
 - (i) Identify primary topics for public education.
 - (ii) Identify different target groups needed to be educated and education objectives for each group.
6.
 - (i) Explain the fishing gears commonly used in Sri Lanka and their specific uses.
 - (ii) Write an essay on marine fishery resources in Sri Lanka.
7. Write short notes on any two (2) of the following:
 - (a) Problems occurring in mangrove areas in Sri Lanka
 - (b) Main characteristics of lagoons and estuaries
 - (c) Ground water pollution issues in Sri Lanka.