

THE OPEN UNIVERSITY OF SRILANKA
 POST GRADUATE DIPLOMA/M. Sc. IN ENVIRONMENTAL
 SCIENCE
 LEVEL 7 – FINAL EXAMINATION 2012/13
 NEP 2209 – AQUATIC RESOURCES AND THEIR MANAGEMENT



DURATION – 3 HOURS

DATE: 07.07.2013

TIME: 1.30 p.m. – 4.30 p.m.

Answer any four (4) questions

1. (i) Describe the criteria of stream orders in drainage basins. (10 marks)
 (ii) Compare the differences in 1st order and 4th order streams in terms of physicochemical characteristics. (15 marks)
2. Discuss the dissolved oxygen profiles in productive and unproductive temperate lakes. (20 marks)
 Explain the type of oxygen curve that you would expect in a tropical eutrophic lake. (05 marks)
3. (i) Describe the functions and values of wetlands. (18 marks)
 (ii) Briefly explain the threats to wetlands in Sri Lanka. (07 marks)
4. Discuss the interferences of human with respect to the ecological balance in Mundel Lake. (25 marks)
5. Explain the environmental problems and their management in relation to coral reef ecosystems. (25 marks)
6. (i) Describe the fishing gears commonly used in Sri Lanka and their specific uses. (15 marks)
 (ii) Write an essay on marine fishery resources in Sri Lanka. (10 marks)
7. Write short notes on any two (2) of the following: (25 marks)
 - (a) Problems occurring in mangrove areas in Sri Lanka
 - (b) Management practices established to protect the coastal area
 - (c) Ground water pollution issues in Sri Lanka.