

THE OPEN UNIVERSITY OF SRILANKA  
 POST GRADUATE DIPLOMA/M. Sc. IN ENVIRONMENTAL  
 SCIENCE  
 FINAL EXAMINATION 2016/17 – LEVEL 7  
 NEP 2219 – AQUATIC RESOURCES AND THEIR MANAGEMENT  
 DURATION – 3 HOURS



DATE: 18.11.2017

TIME: 1.30 p.m. – 4.30 p.m.

Answer any four (4) questions

1. (i) Write an account on the stream orders in drainage basins. (40 marks)  
 (ii) Discuss the anthropogenic activities that cause negative impacts on running waters of Sri Lanka. (60 marks)
2. (i) Describe important functions and values of wetlands. (70 marks)  
 (ii) Briefly explain the threats to wetlands in Sri Lanka. (30 Marks)
3. Illustrate the types of estuaries and lagoons present in Sri Lanka. (15 marks)  
 List the human activities that degrade estuaries and lagoons in Sri Lanka. (40 marks)  
 Explain the steps that should be taken to enhance and sustain their ecological functions. (45 marks)
4. (i) Describe the factors that lead to coastal erosion in the southwestern region of Sri Lanka. (45 marks)  
 (ii) Explain the coastal protection techniques that have been applied to protect the coastal area. (55 marks)
5. Describe the environmental problems and their management in relation to coral reef ecosystems. (100 marks)
6. (i) Describe the fishing gears commonly used in Sri Lanka and their specific uses. (60 marks)  
 (ii) Write a short essay on marine fishery resources in Sri Lanka. (40 marks)
7. Write notes on any two (2) of the following;  
 (a) Discuss the threats to mangroves in Sri Lanka  
 (b) Hutchinson and Loffler classification of lakes based on thermal stratification  
 (c) Ground water pollution issues in Sri Lanka  
 (50 marks per each)

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