

THE OPEN UNIVERSITY OF SRILANKA
M.Sc./POST-GRADUATE DIPLOMA IN ENVIRONMENTAL
SCIENCE
FINAL EXAMINATION 2018/19 – LEVEL 10
ZYPA606 – AQUATIC RESOURCES AND THEIR MANAGEMENT
DURATION – 3 HOURS



DATE: 22.02.2020

TIME: 1.30 p.m. – 4.30 p.m.

Answer any four (4) questions

1. (i) Write an account on stream orders in drainage basins. (40 marks)
(ii) Discuss the impacts of anthropogenic activities on running water eco systems in Sri Lanka. (60 marks)
2. Write an essay on 'Wetlands'. (100 marks)
3. (i) Briefly describe the factors that influence algal bloom formation in reservoirs. (20 marks)
(ii) Define the term 'eutrophication' and explain its consequences. (40 marks)
(iii) Briefly discuss the possible controlling measures to control blooming and eutrophication. (40 marks)
4. (i) Discuss the human interferences that influenced the ecological balance in Rekawa lagoon. (40 marks)
(ii) Discuss the measures that could be applied for lagoon restoration. (60 marks)
5. Explain the environmental problems and their management with respect 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 an account on marine fishery resources in Sri Lanka. (40 marks)
7. Write notes on any two (2) of the following;
(a) Classification of lakes based on thermal stratification
(b) Consequences of destruction of mangroves
(c) Management practices against coastal erosion (50 marks each)
