



UNIVERSITY OF RUHUNA

FACULTY OF FISHERIES AND MARINE SCIENCES & TECHNOLOGY

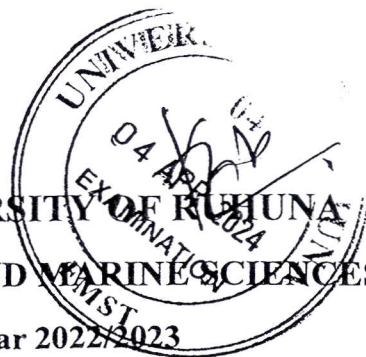
Academic Year 2022/2023

Bachelor of Science Honours in Fisheries and Marine Sciences Degree/ Bachelor of
Science Honours in Marine and Freshwater Sciences Degree

Level II, Semester II Examinations – April/May 2024

LIM 2212: Limnology of Wetlands, Lagoons and Estuaries

Time: 1 hour and 30 Minutes



Part B

Answer any two (02) questions.

Time: 01 hr.

1. Wetlands provide an array of ecosystem services, and those services are important to keep the integrity of wetland ecosystems.
 - a. List all ecosystem services of Rekawa Wetland with two examples for each service. (20 Marks)
 - b. Develop a plan to assess the ecosystem service of Rekawa Wetland. (30 Marks)
2. There are many different definitions for wetlands, and all these definitions consist of a similar meaning.
 - a. What are the major points considered when defining wetlands? (10 Marks)
 - b. Why is it difficult to define wetlands? (15 Marks)
 - c. "Wetlands show unique features, compared to terrestrial and deep aquatic ecosystems". Justify this statement with suitable facts. (25 Marks)
3. Write short notes on the following.
 - a. Different kinds of osmoregulators living in the estuarine environment. (16 Marks)
 - b. Turbidity Maximum Zone in the estuarine environment. (16 Marks)
 - c. Tidal patterns found in different estuaries of the world. (18 Marks)

(Total Marks= 80% for the final exam + 20% for the continues assessments)