



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 III Semester I Examinations - April/May 2024**

AQU 3112: Aquaculture I - Introduction

Time: 1 hour and 30 minutes

Answer question 1 and any other two (02) questions only

1. a. Define the term "Aquaculture."
(10 marks)
- b. Briefly describe the objectives of Aquaculture.
(20 marks)
- c. Compare aquaculture systems based on the degree of intensity. Provide suitable examples for each system.
(30 marks)
- d. Write a short account on "Biological principles in aquaculture"
(40 marks)
2. a. Prioritize the factors that should be considered in selecting suitable sites for aquaculture.
(20 marks)
- b. "The choice of suitable species for aquaculture is a balance between biological knowledge and economic necessities." Critically evaluate this statement.
(80 marks)
3. a. Categorize the types of fishponds used in aquaculture. Provide at least one example for each category.
(20 marks)
- b. Discuss the environmental impacts of aquaculture.
(80 marks)

4. Write short accounts on any **four (04)** of the following.

- a. Present status of global aquaculture
- b. Role of aquaculture in the 21st century
- c. Physical characteristics of fishponds
- d. Formation of acid sulphate soil
- e. Pond outlet structures

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(100 marks) AQU 3132: Method

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