



UNIVERSITY OF RUHUNA
FACULTY OF FISHERIES AND MARINE SCIENCES & TECHNOLOGY
Academic Year 2023/2024

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 - October/November 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” and briefly explain the importance of Aquaculture in the 21st century.

(30 marks)

b. Compare extensive and intensive aquaculture systems. Provide suitable examples for each system.

(30 marks)

c. Write a short account on “Present status of aquaculture in the world”

(40 marks)
2. “Success or failure of any aquaculture venture largely depends on the right selection of site”
Critically evaluate this statement.

(100 marks)
3. a. Categorize the types of fishponds used in aquaculture. Provide at least one example for each category.

(20 marks)

b. Write an essay on “Species selection for aquaculture”

(80 marks)

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

- a. Environmental impacts of aquaculture
- b. Biological principles in aquaculture
- c. Acid sulphate soil
- d. Pond inlet structures
- e. Open water canals in aquaculture

(100 marks)

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