

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE

Level IV Semester I Examination

July/August 2015

AQU 4123 - Aquaculture Management

Time: 02 hours

Answer any **four (04)** questions

- 01). Write an account on methods that can be used to control aquatic weeds in fish ponds. (50 marks)
- 02). Discuss how various forms of Nitrogen in water affect the water quality and fish production in fish ponds. (50 marks)
- 03). Discuss the environmental concerns of using chemicals in aquaculture farms. (50 marks)
- 04). a) Briefly explain the importance of pond aeration. (08 marks)
b) What is gas transfer equation? (08 marks)
c) Explain the factors influencing the rate of oxygen transfer between air and water. (34 marks)
- 05). Write short notes on **any three (03)** of the following (50 marks)
- a) Importance of algal blooms in fish ponds
b) Importance of autotrophs and heterotrophs in maintaining water quality in biofilter system
c) Types of biofilters used in aquaculture operations
d) Effect of prophylactic use of antibiotics in fish culture
- 06). Describe the sequence of events and structures involved in live food fish transport from the harvesting location to the point of wholesale distribution. (50 marks)

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