

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
Level IV Semester I Examination
July/August 2017

AQU4112 – Methods for Aquaculture II (for tropical shellfish and other organisms)

Time – 1½ hours

Answer only Three (03) questions

1. Culture of shrimps in recirculation systems is more beneficial economically and environmentally than their culture open water systems”. Justify this statement. (50 marks)

2. Write short notes on **any three** of the following. (50 marks)
 - (a) Use of bio floc systems for shrimp farming industry
 - (b) Importance of using a matured system for the introduction of shrimp post larvae
 - (c) Feed management in shrimp farming industry
 - (d) Harvesting of marketable sized *Macrobrachium rosenbergii*
 - (e) Crocodile farming

3. (a). List the bivalve species that can be cultured in Sri Lanka. (15 marks)

(b) Write a short account on off bottom culture methods for bivalve farming. Use suitable diagrams where necessary. (35 marks)

4. Write short accounts on the following (50 marks)
 - a. Freshwater pearl culture technique
 - b. Processing of bivalves
 - c. Selection and preparation of a site for sea weed farming

5. (i) Describe how the *Euchema* sp. seedlings are prepared and used for sea weed farming. (30 marks)
- (ii) What are the best practices to be adopted when drying the harvested *Euchema* sp. (20 marks)

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