

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

July /August 2015

AQU 4112 - Methods of Aquaculture (II) for tropical shellfish and other organisms

Time: 02 hours

Answer any four (04) questions

01. (a) Write an account on the *different long-line methods adopted for farming of Eucheima sp* in coastal marine waters. (35 marks)
- (b) Mention the methods adopted for harvesting of sea weed in each of the farming systems mentioned in (a). (15 marks)
02. Describe briefly,
- (a) the actions to be taken in preparing a pond for shrimp culture. (30 marks)
- (b) the actions to be taken to ensure a healthy post larval stock from a hatchery for culture in a farm. (20 marks)
03. (a) What is crab culture as opposed to fattening? (10 marks)
- (b) Explain the methodologies involved in both culture and fattening. (40 marks)
04. (a) List out the environmental factors that are suitable for farming of marine bivalves in Sri Lanka. (08 marks)
- (b) Briefly explain the culture methods that could be used for farming of oysters, mussels and scallops. (42 marks)
05. Briefly explain the following. (50 marks)
- (a) Clams and cockles culture
- (b) Implantation methods of pearl oyster culture
- (c) Depuration procedure of bivalves
06. Write short notes on **any three (03)** of following (50 marks)
- (a) Frog culture
- (b) Crocodile farming
- (c) Harvesting of marketable *Macrobrachium resenbergi*
- (d) Uses of sea weeds