



The Open University of Sri Lanka  
Faculty of Engineering Technology  
Industrial Studies Program

Final Examination- 2010/2011

## AEI5230 Fisheries and Aquaculture

Date : 12-03-2011  
Time : 0930-1230 hours

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### SECTION II

- (1) (a) Describe the advantages and constraints of fish farming.  
(b) Explain the use of descriptive characters for fish identification.  
(c) Discuss the specificity of mangroves in the brackish water fisheries industry.
- (2) (a) Explain the reasons for emerging the ecosystem concerns as the dominant approach for managing aquatic resources in Sri Lanka as well as in the world.  
(b) Fisheries management in Sri Lanka is considered as "Easy to talk but difficult to implement." Critically evaluate the statement.
- (3) Discuss the different factors affecting shrimp culture.
- (4) (a) Write essays on following topics.
  - i. Moulting of shrimps.
  - ii. Breeding of shrimps.
 (b) Explain different shrimp processing methods.
- (5) (a) Explain the following.
  - i. The best time/s to feed the fish.
  - ii. The best places to distribute the feeds in the ponds.
 (b) Describe the procedure of fish diet formulation.
- (6) Write short notes on any four (04) of the following.
  - (a) Classify aquatic plants according to their growth habit and explain.
  - (b) Hatchery management in shrimp industry.
  - (c) Duck fish integration.
  - (d) Influence of water quality on fish growth.
  - (e) Draw backs of ornamental fish industry in Sri Lanka.