



The Open University of Sri Lanka

Faculty of Engineering Technology

Bachelor of Industrial Studies (Agriculture) Programme

Final Examination – 2015/2016

AEI5230 Fisheries and Aquaculture

Date : 05/12/2016  
Time : 09.30 a.m. – 12.30 p.m.  
Duration : 03 hours

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Registration Number:

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**Section 02 – Answer any four (04) out of the six (06) questions. Use answer books and/or sheets to answer this section.**

- 1) i) Explain the effects of global environmental issues on marine and freshwater fisheries in the world.  
ii) Discuss the potential for improving the contribution of fisheries and aquaculture sector towards the Gross Domestic Product in Sri Lanka.
- 2) Discuss how the anatomy of *Oreochromis mossambicus* has developed enhancing its following abilities:
  - Swimming ability
  - Buoyancy
  - Digestion of plant material
- 3) i) Explain why carps are considered as economically important for fresh water fisheries in Sri Lanka.  
ii) Discuss the criteria of selecting fish for culturing in reservoirs in the Mid Country of Sri Lanka.
- 4) i) Describe the different means of processing fish and shrimp in Sri Lanka.  
ii) Describe the physical, chemical, and biological spoilage that may occur in fish during improper storage.
- 5) i) Discuss the importance of aquatic plants for the fisheries sector in Sri Lanka.  
ii) Describe the main ways of conserving aquatic plants.
- 6) i) Describe different types of hazards associated with shrimp farming.  
ii) Discuss the importance of applying Hazard Analysis Critical Control Points (HACCP) in shrimp farming.