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RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree in Applied Biology
Fourth Year Semester I Examination – October/ November 2015

ZOO 4305 – FISHERY RESOURCES MANAGEMENT

Time: Three (03) hours

Answer any six (06) questions.

1. Discuss the effect of fishing on nutrient level and food web structure in a named aquatic ecosystem.
2. Discuss the factors that affect fish yield in natural water bodies.
3.
 - a) State the factors that have resulted in failures of culture based fisheries.
 - b) Explain physical and biological aspects considered in selecting water bodies for culture based fisheries.
4. Describe the major issues that constrain the development of the Fisheries Sector in Sri Lanka.
5.
 - a) Define “Aquatic pollution”.
 - b) Briefly discuss the effect of pollution on fish population.
6.
 - a) What is Fisheries Co-Management?
 - b) Describe the different steps in the participation–level of co-management.
 - c) Briefly discuss the advantages and limitations of fisheries co-management.
7. Write short notes on the any three (03) of the followings.
 - a) Ecological effects of fishing
 - b) Features considered in selecting fish species for culture based fisheries
 - c) Legal framework and legislation relevant to aquatic environment, and fishery resources
 - d) Economic and social criteria consider in **Sustainable Development Reference System (SDRS)**