



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (Special) Degree in Applied Biology
Fourth Year - Semester I Examination – September/October 2019**

FAM 4201 – FISHERY RESOURCES MANAGEMENT

Time: Two (02) hours

Answer ALL questions.

1. a) Explain, how ecological criteria and social criteria affect the Sustainable Development Reference System in fisheries. **(65 marks)**
b) Discuss the impact of overfishing. **(35 marks)**
2. a) Describe the effects of pollution on eggs, spawn, fry on breeding and feeding grounds. **(50 marks)**
b) Discuss the technological considerations in Ecosystem Approach to Fisheries. **(50 marks)**
3. Explain briefly the following.
a) Unique characteristics of fisheries **(50 marks)**
b) Surplus production model **(50 marks)**
4. a) “Alteration of, food web structure and sediments of the sea floor are the major concerns of fishing effects”. Justify this statement. **(65 marks)**
b) Explain the advantages of fisheries co-management. **(35marks)**

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