



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

**B.Sc. (General) Degree in Applied Sciences  
Third year – Semester I Examination – June/July 2018**

**FAM 3201 – FISHERIES AND AQUACULTURE**

**Time: Two (02) hours**

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**Answer any four (04) questions.**

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1. a) Explain why fisheries management is important for sustainable use of fishery resources (25 marks)  
b) Discuss the main components of fisheries management. (75 marks)
2. a) What is culture based fisheries (CBF) ? (10 marks)  
b) Describe how CBF is practiced in perennial and seasonal reservoirs of Sri Lanka. (45 marks)  
c) Discuss the constraints of CBF. (45 marks)
3. a) Elaborate the main factors that should be considered when selecting fishing gears. (30 marks)  
b) Give the main components of a line gear and write a concise account on two (02) types of line gear, with special emphasis on its structure, usage and targeted fish species. (70 marks)
4. a) Describe the process of selecting land for constructing mud ponds to culture GIFT tilapia. (50 marks)  
b) Explain how a mud pond system could be managed in an extensive culture system of GIFT tilapia (50 marks)

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5. a) Differentiate between cage and pen culture systems used in aquaculture. (20 marks)
- b) Describe the structure of a floating cage with suitable diagram. (40 marks)
- c) Discuss the advantages and disadvantages of cage culture. (40 marks)

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