

**UNIVERSITY OF RUHUNA**  
**BACHELOR OF SCIENCE GENERAL DEGREE LEVEL III (SEMESTER II)**  
**EXAMINATION - JANUARY/FEBRUARY 2018**

**SUBJECT : Zoology**

**Time: 01½ hours**

**COURSE UNIT : ZOO 3223 - Fisheries & Aquaculture**

Answer **the Question 1** and **two** other questions only.

*Illegible handwriting would be penalized.*

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1. **Answer all parts.**
- (i). Briefly describe the causative agents of fish diseases in aquaculture.
  - (ii). Briefly explain the dynamic nature of a fish stock.
  - (iii). Describe the age determination methods of fish in temperate waters.
  - (iv). Briefly describe the different surrounding nets used in fisheries and its environmental impacts.
- (40 minutes)** **(40 marks)**
2. Answer both parts.
- (i). Write a brief account on "Thinning" procedure in mussel culture.
  - (ii). Briefly describe the hatchery cycle in shrimp farming.
- (25 minutes)** **(30 marks)**
3. Write a concise account on the daily routine operations carried out in a fish farm and their significance.
- (25 minutes)** **(30 marks)**
4. Briefly discuss,
- (i). Criteria used to select species for aquaculture.
  - (i). Additives use in fish feed formulation.
- (25 minutes)** **(30 marks)**

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