

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE GENERAL DEGREE LEVEL III (SEMESTER II)
EXAMINATION - NOVEMBER/DECEMBER 2016

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.

1. **Answer all parts.**

- (i). Briefly discuss the species based farming strategies used in aquaculture.
- (ii). Write a brief account on fish marking and tagging.
- (iii). "Source of water is an important criteria to be considered in selecting a site for fish farming". Justify.
- (iv). Compare bottom culture and off bottom culture of bivalves.
- (v). Briefly discuss the factors that should be considered in diet preparation.

(50 minutes)

(50 marks)

2. Describe the factors that has to be considered in the event of spat collection and spat collection methods in oyster farming.

(20 minutes)

(25 marks)

3. Write a concise account on gill nets and entangling nets.

(20 minutes)

(25 marks)

4. **Answer both parts.**

- (i). Methods used in estimation of population size of fish.
- (ii). Briefly discuss the physical methods used to control anoxia in fish ponds.

(20 minutes)

(25 marks)

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