

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE GENERAL DEGREE LEVEL III (SEMESTER I)
EXAMINATION - AUGUST/SEPTEMBER 2017

SUBJECT : Zoology

Time : 01½ hours

COURSE UNIT : ZOO 3133 - Wetlands & Aquatic Ecosystems

Answer **Question number 1** and **two other** questions only.
Illegible handwriting would be penalized.

1. Answer **all parts**.

- (i). Compare and contrast the lentic and lotic water bodies.
- (ii). Give a concise account on the wetland types found in Sri Lanka.
- (iii). Coral reefs can be referred to as "biotic reefs". Explain this statement.

(40 minutes)

(50 marks)

2. (i). Briefly discuss the process of thermal stratification in a typical temperate lake and its biological significance.

(ii). Write a brief account on the formation of salt wedge in estuaries.

(25 minutes)

(25 marks)

3. Describe the common functions performed by wetlands.

(25 minutes)

(25 marks)

4. What are the major determinants of primary production in oceans?

Explain why tropical regions in general are less reproductive than temperate regions.

(25 minutes)

(25 marks)