

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE GENERAL DEGREE LEVEL III (SEMESTER I)
EXAMINATION – JULY 2016

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). Write a brief account on different zones found in lagoons.
- (ii). State the multitude of wetland benefits classed under the three main categories.
- (iii). Briefly explain the concept of “steady-state ocean” with respect to oceanic salts.

(40 minutes)

(50 marks)

2. (i). Briefly discuss the consequences of eutrophication and the measures that could be taken to overcome eutrophication.

(ii). Describe the respiratory adaptations shown by freshwater aquatic invertebrates.

(25 minutes)

(25 marks)

3. Give an overview of the “Classification of wetlands”, indicating the major types of wetlands in the world.

(25 minutes)

(25 marks)

4. Describe the major groups of primary producers of the pelagic ocean waters and explain the depth variation of primary production with in the water column.

(25 minutes)

(25 marks)

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