

07.1-1.1

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

SUBJECT : Zoology

Time: 02 hours

COURSE UNIT: ZOO 4034 - Ecosystem Structure and Function

Answer Question number 1 and three other questions only.

Illegible handwriting would be penalized.

1. Answer **all parts**.

- (i). Give an account on lakes formed by rock basins.
- (ii). Briefly describe the factors considered in assigning a land scape into a wetland status.
- (iii). Describe colligative properties of sea water.

(45 minutes)

(40 marks)

2. (i). Discuss the adaptations shown by aquatic invertebrates to overcome respiratory problems.
- (ii). Briefly describe the structure of estuaries that are classified according to salinity.

(25 minutes)

(20 marks)

3. "Wetlands are not wastelands". Comment on this statement.

(25 minutes)

(20 marks)

4. Mention physical parameters of the ocean environment that has a depth variation. Explain how various physical factors affect marine life.

(25 minutes)

(20 marks)

5. Write an essay on "Ozone layer depletion".

(25 minutes)

(20 marks)

6. Write a concise report on 'Values of soil fauna'.

(25 minutes)

(20 marks)

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