

UNIVERSITY OF RUHUNA
BACHELOR OF SCIENCE SPECIAL DEGREE LEVEL I (SEMESTER II)
EXAMINATION - JANUARY/FEBRUARY 2018

SUBJECT : Zoology

Time: 02 hours

COURSE UNIT: ZOO 4164 - Conservation and Management of Environment

Answer **any four (04)** questions only.
Illegible handwriting would be penalized.

1. "Over exploitation of natural resources and other anthropogenic activities worldwide have threatened the sustainability of global resources and have led to global environmental degradation". Justify this statement highlighting the causes (anthropogenic activities) and resultant effects (repercussions) involved.

(30 minutes)**(25 marks)**

2. (i) Briefly discuss the Characteristics of environmental impacts.

(ii). Briefly describe the levels and forms of Public participation/ involvement in EIA process.

(30 minutes)**(25 marks)**

3. **Either** write a concise account on,

"The role of environmental education in the modern society".

Or

"The use of wetlands for waste water treatment".

(30 minutes)**(25 marks)**

4. (i). Write an account on "Functions of Watershed".
- (ii) Discuss the impacts of following human induced changes on watershed.
- (a). Timber harvest
- (b). Agriculture activities

(30 minutes)

(25 marks)

5. (i). Explain different types of land degradation.
- (ii). Using suitable example, briefly discuss the levels of analyses of land degradation and its importance.

(30 minutes)

(25 marks)

6. Briefly describe the implementation and the major outcomes of the following legislation in Sri Lanka.
- (i). National Environmental Act
- (ii). Coast Conservation Act
- (iii). Fisheries and Aquatic Resources Act

(30 minutes)

(25 marks)

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