

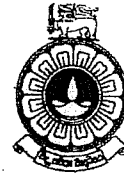
The Open University of Sri Lanka

M.Sc. in Environmental Sciences – 2016/17

Eco toxicology and Pollution Management (NEP2223) – Level 8

Continuous Assessment Test I (Open Book Test)

Duration: One Hour



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Date: 22<sup>nd</sup> April 2017

Time: 1.30 p.m. – 2.30 p.m.

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Answer all the questions.

1. (i) Describe the following terms used in eco toxicology.

- a. LD50
- b. Effective concentration
- c. Infective dose
- d. Acute toxicity
- e. EC50
- f. ID50
- g. Chronic toxicity

(70 marks)

(ii) “Ecotoxicology is useful to many disciplines in science” Discuss.

(30 marks)

2. Describe in detail the mechanisms involved in passing toxicants through the cell and organ membranes of biological organisms. Use diagrams where necessary.

(100 marks)