

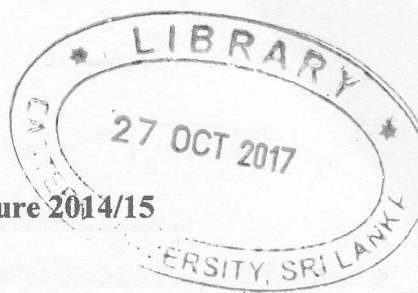
Eastern University, Sri Lanka

Faculty of Agriculture

Third Year First Semester Examination in Agriculture 2014/15

Jan/Feb 2017 Proper/Repeat

AB 3102 – Insect Pest Management



Answer all questions

Time: 01 hour

1. Write short notes on the following:

- a) **Cultural management practices** applicable for (30 marks)
- I. Fruit fly (*Bactrocera cucurbitae*).
 - II. Coconut Black Beetle (*Oryctus rhinoceros*).
 - III. Brinjal Shoot and Fruit Borer (*Leucinodes orbonalis*).
- b) Mode of action of *Bacillus thuringiensis*. (35 marks)
- c) Plant Quarantine (with special reference to Sri Lanka). (35 marks)

2.

- a) Distinguish the following; (40 marks)
- i. Super-parasitism and multi-parasitism.
 - ii. Inoculative and inundative biological control approaches.
- b) Write a brief account on the; (60 marks)
- i. Role of "Genetic manipulation" in insect pest management.
 - ii. Metabolic detoxifying mechanisms found in phytophagous insects.