

EASTERN UNIVERSITY, SRI LANKA

EXTERNAL DEGREE

THIRD EXAMINATION IN SCIENCE 1996/97 Re-Repeat (June 2004)

EXZL 303 ENTOMOLOGY I AND II

Time: 03 hours

Answer any **five** questions only selecting at least **two** from Part I.

(Illustrate your answers with clear, labelled diagrams where necessary)

Part I

1. Comment on any **two** of the following:

- Entomophagous insects
- Insect moulting
- Mechanoreceptors

2. Briefly describe either compound eyes and image formation in insects

Or

adaptations in insect wing for efficient flight.

3. Write short notes on any **two** of the following:

- legs of honey bees
- siphoning mouthparts
- Malpighian tubules.

4. Write a brief account of social insects.

PART II

5. Discuss the different methods of biological control used in insect pest management.

Cont/2

6. Discuss the Bionomics and control of the following pests:
- Brinjal shoot and fruit borer
 - Yellow stem borer of Rice.
7. Write short notes on the following:
- Classification of insecticides
 - biomagnification of insecticides.
8. Briefly describe an Integrated Pest Management strategy that could be adopted to control Brown Plant Hopper in Eastern Sri Lanka.

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PART II