

EASTERN UNIVERSITY, SRI LANKA
SPECIAL DEGREE EXAMINATION IN ZOOLOGY (Part II) R A R Y
2004/2005 (March/ April 2007)

ZL 415- ADVANCED PEST MANAGEMENT



Time: 02 hours

Answer **all** questions.

(Illustrate your answers with clear labelled diagrams where appropriate)

1. Describe the life cycle of a parasitoid *Trichogramma* as your main example.
2. What is insecticide resistance. Describe the biochemical and physiological mechanisms of resistance in insects.
3. Write notes on :
 - a). Pesticide residues
 - b) *Bacillus thuringensis* as a microbial insecticide
4. Describe the different strategies that could be used to encourage natural control of insect pests in crop fields.

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