

**EASTERN UNIVERSITY, SRI LANKA**  
**THIRD YEAR FIRST SEMESTER EXAMINATION IN SCIENCE (REPEAT)**  
**EXTERNAL DEGREE (MAR/APR 2017)**  
**ENTOMOLOGY I & II**

**Time: 02 hours.**

**Answer all questions.**

**Illustrate your answers with clear labeled diagrams where necessary)**

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- a). List **five** characteristic features of the order Hemiptera.
- b). Describe the structure and function of the adult mouthparts of this order.

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

- a). Insect antenna;
- b). Insect integument;
- c). Tricoid sensillum;
- d). Malpighian tubules and excretion.

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

- a). LD<sub>50</sub> value and toxicity of insecticides;
- b). Economic threshold value and Economic injury level;
- c). Key pests;
- d). Insect pheromones.

- f. Briefly describe **one of the microbial** pest control methods.

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