



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES**

**B.Sc. (General) Degree in Applied Sciences
Second year – Semester I Examination – October/November 2015**

BIO 2110 – GENERAL ENTOMOLOGY

Time: 11/2 hours

Answer Three (03) questions only

1. i) Briefly state the benefits of insects using examples.
- ii) Distinguish between the following pairs.
 - a) Apterygota and Pterygota
 - b) Holometabolous and Hemimetabolous development.
 - c) Segmentation and Tagmosis
 - d) Oviparity and Parthenogenesis
2. i) Describe with the aid of a labeled diagram the functional morphology of the alimentary canal of an insect
- ii) Outline the salient characters used in insect classification
3. i) Write a brief account on the different types of insect legs and their functions.
- ii) Explain the generalized structure of insect wing with the help of a labeled diagram
4. i) Describe briefly the main parts and functions of the mouthparts found in the Orders Hemiptera and Orthoptera.
- ii) Mention the main functions of insect antennae.