



RAJARATA UNIVERSITY OF SRI LANKA  
FACULTY OF APPLIED SCIENCES

B.Sc. (Special) Degree in Applied Biology  
Fourth year – Semester I Examination – October/November 2015

ZOO 4201- INSECT DIVERSITY AND CONSERVATION

Time : Two (02) hours

Answer four (04) questions only

1. a) Describe the different forms of wing coupling mechanisms upon which the classification of order Lepidoptera is based.  
b) Explain the five characteristic features that aquatic insects bear as adaptation to the environment.
2. a) Discuss the challenges underlying the development of insect conservation strategies.  
b) State briefly the importance of insect diversity.
3. a) Review the diversity of insect larval forms in different orders with reference to their body shape  
b) List the special characteristics of social insects
4. Distinguish the following pairs.
  - a) Skippers and true butterflies
  - b) Sub Orders Homoptera and Heteroptera
  - c) Linear reduction and accelerated reduction of insect populations
  - d) Caste systems of Termites and ants
5. Write short notes on the following
  - a) Dispersion of insect populations
  - b) Aquatic moths
  - c) Malaise Trap
  - d) Scale insects