

The Open University of Sri Lanka
B.Sc Degree Programme – Level 5
Course Title - Insect Biology
Course Code – ZLU 3186 / ZLE 5186
Final Examination 2011/2012
Duration – Two hours (2)



120

Date: 26 11. 2012

Time: 1.30 pm – 3.30 pm

Answer **any four (04)** questions.

Wherever necessary illustrate your answers with clearly labeled Diagrams

1. Describe the detailed structure of the insect cuticle and explain its advantages and disadvantages to insects.
2. Write a concise account on Dipterans.

or

Name one insect order where both the beneficial and harmful species to human being are present and discuss the role played by them.
3. "Interactions between the plants and insects have led to both beneficial and harmful effects to ecosystem" Discuss this statement.
4. Discuss the methods used by Aquatic insects for their gas exchange.
5. Briefly describe the different types of reproduction in insects and outline how they contribute to success of their mode of life.
6. Write short notes on **any three (03)** of the following
 - a) Apterygotes
 - b) Insect pollinators
 - c) Peritropic membrane
 - d) Dengue

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