

The Open University of Sri Lanka  
B.Sc Degree Programme – Level 5  
Course Title - Entomology  
Course Code – ZOU 3163 / ZOE 5163  
Final Examination - 2012/2013  
Duration – Two hours (2)



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Date: 15 .06.2013

Time: 9.30 am – 11.30 am

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

Wherever necessary illustrate your Answers with clearly labeled Diagrams

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1. Describe the structural and adaptive modifications in the digestive system of solid and sap feeding insects.
2. Write a concise account on Honey bees.
3. Giving examples discuss the main locomotory organs of insects and the modifications related to respective functions.
4. Explain the structural modifications for respiration in Aquatic insects.
5. Describe the female reproductive system in insects and explain briefly the different types of reproduction that occur in insects.
6. Write short notes on **any three (03)** of the following
  - a) Tracheal system in insects
  - b) Haemocytes in insects
  - c) Metamorphosis in insects
  - d) Salivary glands in insects

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