Open University of Sri Lanka
Department of Zoology
Bsc degree programme
Academic year 2012/2013
Final examination

Course title – Management of Insect Pests and Vectors
Course code – ZLU4180

Date 25th November, 2013 **Time – 1.30 pm – 3.30 pm**

Answer any four (4) questions.

1) Describe in detail insect pest damage to the rice crop.

2) a) Describe harmful effects of insects on humans and animals.
   b) Comment on the factors that cause a rise in mosquito density in Sri Lanka.

3) a) Compare and contrast between Economic injury level and Economic threshold level.
   b) Outline chemical control methods used against stored grain pests, stating their advantages and disadvantages.

4) Brifely explain natural enemies of insects and the characteristics that they should possess to become effective bio-control agents.

5) Describe with suitable examples environmental management for vector control.

6) Write short notes on any **three (3)** of the following :
   a) *Oryctes rhinoceros* and its control
   b) Sterile insect technique
   c) Transmission of human diseases by biological vectors
   d) Crop rotation for insect pest management.