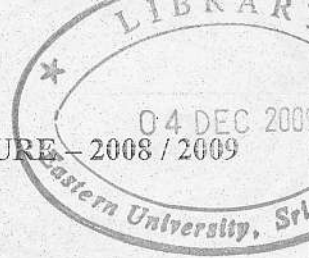


EASTERN UNIVERSITY, SRI LANKA,  
FACULTY OF AGRICULTURE  
FINAL YEAR FIRST SEMSTER EXAMINATION IN AGRICULTURE - 2008 / 2009  
(September / October - 2009)  
AGB 4114 - INSECT PHYSIOLOGY (2: 30/00)



Answer All Questions  
Time allowed: 02 hours

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- 1) Differentiate the following
  - a) Apolysis and Ecdysis
  - b) Allelochemicals and Pheromones
  - c) Monophagous and Polyphagous types of insect
  - d) Aggregation pheromone and Alarm pheromone
  - e) Allomones and Kairomones
  
- 2) Write short notes on the following
  - a) Hemolymph of insect
  - b) Moulting in insect
  
- 3) Briefly describe
  - a) the factors influencing the food selection in monophagous insects
  - b) the processes of absorption of Carbohydrate and Protein in insects
  
- 4) Write a brief account on
  - a) the diapausing mechanism found in *Bombyx mori*
  - b) the importance of parthenogenesis type of reproduction in insects