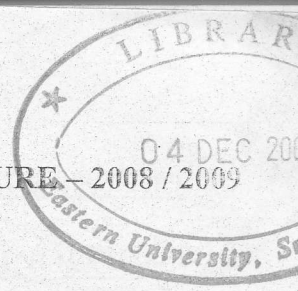


EASTERN UNIVERSITY, SRI LANKA.
FACULTY OF AGRICULTURE
FINAL YEAR FIRST SEMSTER EXAMINATION IN AGRICULTURE – 2008 / 2009
(September / October – 2009)
AGB 4114 – INSECT PHYSIOLOGY (2: 30/00)



Answer All Questions

Time allowed: 02 hours

- 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