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EASTERN UNIVERSITY, SRI LANKA
FACULTY OF AGRICULTURE
FINAL YEAR FIRST SEMSTER EXAMINATION IN AGRICULTURE - 2007 / 2008
AGB 4114 – INSECT PHYSIOLOGY (2: 30/00)

Answer All Questions
Time allowed: 02 hours

- 1) Differentiate the following
 - a) Allelochemicals and Pheromones
 - b) Passive absorption and Active absorption
 - c) Prohaemocytes and Plasmotocytes
 - d) Allomones and Kairomones

- 2) Briefly describe
 - a) the factors influencing the food selection in monophagous insects
 - b) the courtship mechanism found in Silkworm insect

- 3) Discuss the underlying mechanism of following pest management strategies
 - a) Mixing of wood ash with grains
 - b) Spraying "ecdysone" when the last larval instars of brinjal shoot and pod borer (*Leucinodes orbanalis*) present in the field

- 4) Write a brief account on
 - a) the importance of pheromones in insect pest management
 - b) the absorption processes of protein and mineral in insect