

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR IN AGRICULTURE SCIENCE 2010/2011 BATCH (Nov 2015)
SECOND SEMESTER (REPEAT)
AB 3201 PLANT RESISTANCE TO PESTS

Time: 01 hour.

Answer all questions.

(Illustrate your answer with clear labeled diagrams where necessary)

1. a). What is antibiosis? (10 marks)
- b). Briefly describe the main symptoms found in insects and the change in physiological functions of resistant plants as a result of antibiosis. (20 marks)
- c). Write the different ecological concerns of the Genetically Modified (GM) crops. (70 marks)
2. a). Explain in detail one of the pathways of induced resistance in plants. (30 marks)
- b). Comment on **any two** of the following:
 - i). Host plant DNA bar coding and insect herbivore.
 - ii). Bt corn and performed resistance.
 - iii). Events in plants after feeding by an insect herbivore.(70 marks)

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