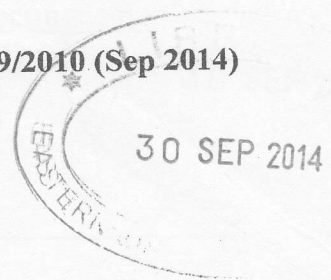


Muffin.

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR EXAMINATION IN AGRICULTURE SCIENCE 2009/2010 (Sep 2014)
FIRST SEMESTER
AB 3201 PLANT RESISTANCE TO PESTS
END SEMESTER EXAMINATION



Time: 01 hour

Answer all questions

(Illustrate your answers with clear labeled diagrams where ever necessary)

1. a) What is tolerance in plants? (10 marks)
- b) List the intrinsic and extrinsic factors that are involved in plant tolerance. (20 marks)
- c) Briefly describe at least three mechanisms that are utilized by plants to recover fitness from herbivore damage. (70 marks)

2. a) Briefly discuss the antixenosis mechanism exists in pigeon pea for *Helicoverpa armigera*. (30 marks)
- b) Comment on any two of the following:
 - i) Role of Jasmonic acid in plant defense:
 - ii) Benefits of insect resistant cultivars:
 - iii) Gene flow and soil health are the ecological concerns of GE plants. (70 marks)

XXXXXXXXXXXX