


EASTERN UNIVERSITY, SRI LANKA

Fourth Year First Semester Special Degree Examination in Science (Botany)

2002/2003 (March, 2004)

BT 422- Plant Relationship

BT 422- Essay

Answer All questions

Time: 03 hours

1. Write an essay on "Environmental Conservation and Development".
(100 marks)

2. Write essays on following.
(50 marks)

- a) Bio-control of postharvest diseases. (50 marks)
b) Root hydraulic architecture. (50 marks)

Write notes on the following.

i) Cytokinins receptors in leaves. (50 marks)

ii) Theory of Appressory. (50 marks)

* Briefly describe the different types of secondary plant substances found in plants. (100 marks)

* Critically analyze the role of plant secondary metabolites in the management of insect pests. (100 marks)

* Ecological and nutritional aspects of plants influence the feeding behaviour of insect pests on plants" Discuss this statement. (100 marks)