



Eastern University, Sri Lanka

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Third Year Second Semester Special Degree Examination in Science (Botany)

2001/2002 (March, 2004)

BT 401- Insect Plant Relationship

Answer **All** Questions

Time: 03 hours

1. Discuss the contributions made by the following scientists in studies related to insect plant relationship.
 - a. Shonoven (50 marks)
 - b. Ratheke *et al.* (50 marks)
2. "The domestication of wild plants for cultivation influences the attack by herbivores" critically analyze this statement. (100 marks)
3. Write notes on the following
 - a) Chemo-receptors in insects (50 marks)
 - b) Theory of Apparency (50 marks)
4. Briefly describe the different types of secondary plant substances found in plants. (100 marks)
5. Critically analyze the role of plant resistance in the management of insect herbivores. (100 marks)
6. "Morphological and nutritional aspects of plants influence the foraging behaviour of herbivores on plants" Discuss this statement. (100 marks)