

EASTERN UNIVERSITY, SRI LANKA
THIRD YEAR FIRST SEMESTER EXAMINATION 2001 / 2002
Plant Pathology and Techniques (AGB 3101)

Answer All Questions

Time allowed: 3 hours.

1. Discuss the use of systemic and protectant fungicides for disease control in crops.

2. Write short notes on the following
 - a) Life cycle of a typical macro cyclic rust fungus
 - b) Methods available for the isolation and identification of plant pathogenic bacteria.
 - c) Anthracnose disease in chilli.

3. Briefly discuss the following diseases
 - a). Bud rot disease in coconut
 - c). Charcoal root disease in tea.

4. Explain the ways by which the proportion of disease could be reduced, using the equation for a polycyclic disease progress model.

5. Discuss the life cycle and control of plant parasitic nematodes in the genus *Meloidogyne*.

6. Write brief accounts on the following
 - a) Control of bacterial wilt disease in a brinjal crop.
 - b) Quarantine measures to control plant diseases