

Eastern University, Sri Lanka
Third Year /Second Semester Examination in Science -2002/2003(Proper)
(March/April 2004)

BT 304, Plant Pathology



Answer All Questions

Time: 02 hrs.

- 1) Explain clearly how you would isolate and identify a fungal pathogen of a leaf disease.
- 2) Write short notes on **any two** of the following.
 - a) Environmental factors that cause diseases in plants.
 - b) Pre-existing structural defences in plant.
 - c) Direct penetration of fungal pathogens in plants.
- 3) a) Write down a problematic disease that affect the roots of crucifers in Sri-Lanka.
 - b) For the above disease;
 - i) Mention the causative organism.
 - ii) What is/are the inoculums / inocula?
 - iii) Describe briefly the characteristic symptoms.
 - iv) Discuss briefly the possible control methods.
- 4) a) Write down at least three important fungal pathogens that cause diseases in fruits and vegetables.
 - b) Name the respective diseases that are caused by the above pathogens you mentioned in (a.)
 - c) For any one of the above disease in (b), explain briefly the following;
 - (i) The disease cycle.
 - (ii) The management practices.