



**EASTERN UNIVERSITY, SRI LANKA
FACULTY OF SCIENCE**

THIRD YEAR FIRST SEMESTER EXAMINATION IN SCIENCE – 2008/2009

BT 301 – Plant Pathology

Duration: 2 hrs
Answer all questions

- 1). Describe how the routine functions of matured healthy plants get affected by plant pathogens.
- 2). Write short notes on the followings;
 - a). Quarantine method in excluding the inoculums.
 - b). Genetic improvement of the crop plants for the disease resistant.
- 3). Plants defend themselves against pathogens by a combination of existing and induced mechanism.
 - a). List down the “preexisting defense structure” in the plants.
 - b). Write an essay on the “induced structural defense mechanism” in the plants.
- 4). Late blight of potato has an economic impact on cultivation
 - a). Describe the development of the above disease with the illustrated lifecycle of the pathogen.
 - b). How does the disease affect the country which use potato as its stable food.