



Eastern University, Sri Lanka
Third Examination in Science – 2007 / 2008
First Semester Examination – December 2008
BT – 301 / Plant Pathology

Answer all questions
Time: 2 hrs

1. Write an essay on the methods and techniques available for the isolation and the purification of fungi from garden soil, supposed to contain a plant pathogen.

(20 points)

2. Write short notes on the followings.
 - (i) Abiotic factors cause diseases in plants.
 - (ii) Induced structural disease defense mechanisms in plants.

(30 points)

3. Answer the followings.
 - (i) Write down the name of a pathogen and the relevant disease in mango occurs in Batticaloa district.
 - (ii) Explain the symptoms of the disease you have mentioned in 3(i).
 - (iii) Describe briefly the development stages of the disease.

(25 points)

4.
 - (i). Write down a disease of a named vegetable crop that is caused by a soil fungal pathogen.
 - (ii). Mention the name of the pathogen in 4(i).
 - (iii). Briefly explain the symptoms.
 - (iv). Discuss the control methods.

(25 points)