

EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2009/2010

(June / July - 2011)

AGB 3101: PLANT PATHOLOGY AND TECHNIQUES

END SEMESTER EXAMINATION



Answer all questions.

This paper should be answered in **English**.

Time: Two hours

1. Briefly describe the following diseases with appropriate control measures.
 - a. Brown spot in rice
 - b. Stem bleeding in coconut

2.
 - a. Write an account on 'Koch's Postulates'.
 - b. Briefly explain the role of temperature on the development of infectious plant diseases.
 - c. Briefly discuss the effects of pathogens on the plant respiration.

3.
 - a. Write down the cultural control measures to eradicate or reduce pathogen inoculums.
 - b. Briefly describe the life cycle of the macro-cyclic rust fungi.

4. Write short notes on the following:
 - a. Induced structural barriers of plants
 - b. ELISA diagnostic kit
 - c. Horizontal resistance of plants