## EASTERN UNIVERSITY, SRI LANKA

## THIRD YEAR FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2006/2007

(MAY - 2014)

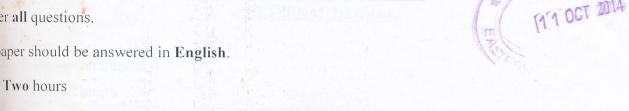
## AGB 3101 PLANT PATHOLOGY AND TECHNIQUES

## **END SEMESTER EXAMINATION** EXTERNAL DEGREE (REPEAT)

Answer all questions.

This paper should be answered in English.

Time: Two hours



- 1) Briefly describe the following diseases with appropriate control measures:
  - Rice blast
  - Bud rot in coconut
- 2) Discuss:
  - a) The use of Koch's postulates in the identification of an unknown disease.
  - b) The effects of pathogens on the plant respiration and photosynthesis.
- 3) Briefly describe;
  - a) Cultural control measures to eradicate or reduce pathogen inoculums.
  - b) The life cycle of the macro-cyclic rust fungi.
- 4) Write short notes on the following:
  - a) True plant resistance to pathogens
  - b) Induced structural barriers of plants
  - c) Effects of moisture on the development of infectious plant diseases

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