

EASTERN UNIVERSITY, SRI LANKA

THIRD YEAR, FIRST SEMESTER EXAMINATION IN AGRICULTURE - 2010/2011

(Dec / Jan – 2012/ 2013)

AGB 3101: PLANT PATHOLOGY AND TECHNIQUES

Answer **all** questions.

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

Time: **Two** hours



1. Briefly describe the following diseases,
  - a. Bacterial leaf blight in rice
  - b. Bud rot in coconut
  
2.
  - a. How can pathogens impair xylem translocation of water and minerals?
  - b. Briefly explain the role of moisture on the development of infectious plant diseases.
  - c. "Pathogens inoculums can be reduced by physical methods". Comment on this statement.
  
3.
  - a. Distinguish the types of true resistance of host plants.
  - b. Briefly describe a problematic disease which affects the roots of cabbage in Sri Lanka.
  
4. Write short notes on the following
  - a. Preexisting biochemical plant defense.
  - b. Enzyme Linked Immuno Sorbent Assay diagnostic kit.
  - c. Polycyclic plant disease epidemics.

\*\*\*\*\*