

EASTERN UNIVERSITY, SRI LANKA
SECOND YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE - 2012/2013

(Aug / Sept – 2015)

AB 2201: PLANT PATHOLOGY AND DISEASE MANAGEMENT
END SEMESTER EXAMINATION

Answer **all** questions.

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

Time: **Two hours**

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1. a. "Brown spot is a widely spread rice disease in all paddy growing countries".
 - i. Describe the disease cycle of the brown spot pathogen. (25 marks)
 - ii. Briefly explain how brown spot contributes to the loss of yield by indicating various symptoms. (20 marks)
 - iii. Recommend the possible ways to overcome this disease problem. (15 marks)
 - b. Describe the life cycle of macro-cyclic rust fungi. (40 marks)
 2. a. "Pathogens affect phloem translocation in host plants". Briefly explain this statement. (40 marks)
 - b. Discuss the role of temperature on the development of plant diseases. (60 marks)
 3. By giving suitable examples, briefly explain the control measures to reduce pathogen inoculums. (100 marks)
 4. Distinguish between:
 - a. Direct ELISA and Indirect ELISA (50 marks)
 - b. Horizontal resistance and Vertical resistance (50 marks)
