

EASTERN UNIVERSITY, SRI LANKA

SECOND YEAR, SECOND SEMESTER EXAMINATION IN AGRICULTURE - 2014/2015

(May/June - 2017)

AB 2201: PLANT PATHOLOGY AND DISEASE MANAGEMENT



Answer all questions.

Time: Two hours

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- (1). "In rice cultivation, blast is the major biotic constraint in the world".
- Describe the disease cycle of blast pathogen. (35 Marks)
 - Explain how blast contributes to the loss of yield by indicating various symptoms. (35 Marks)
 - Recommend the possible ways to overcome this problem. (30 Marks)
- (2). Explain the following with suitable examples;
- How pathogens impair the translocation of food in plants. (40 Marks)
 - How temperature affects the development of plant diseases. (60 Marks)
- (3). Describe;
- Double Antibody Sandwich ELISA diagnostic method. (50 Marks)
 - Macro life cycle of rust fungi. (50 Marks)
- (4). Write brief account on the following;
- Polygenic plant resistance to pathogens. (40 Marks)
 - Biological control of plant pathogens. (60 Marks)