EASTERN UNIVERSITY, SRI-LANKA FOURTH YEAR SECOND SEMESTER EXAMINATION IN SCIENCE (BOTANY)

2004/2005 (NOV/DEC 2006) (APVI) - 2007)

BT-411 -ADVANCED PLANT PATHOLOGY

1. Write short notes on the following. a) Role of auxin in plant diseases. (10 minutes) b) Mode of penetration of pathogens in plants. (20 minutes) 3 a) What do you understand by Induced Defense mechanisms in plants? (10 minutes) b) Explain briefly the Hypersensitive Response (HR) of plants against the entry of plant pathogens. (20 minutes) 4 a) What are phytoalexins? (10 minutes) b) Explain the role of phytoalexin in disease resistance mechanisms in plants against pathogens. (20 minutes) 3 Briefly Discuss the following; a) Dissemination of plant pathogens (15 minutes) b) Growth regulators in plant diseases (15 minutes) 4 Write an essay on the Induced Structural Defense Mechanisms in plants. (30 minutes) b) Explain briefly the important events of a disease cycle. (23 minutes) 6 Write short notes on the following; a) Auxins in plant disease (8 minutes) b) Tabtoxin in plant disease (7 minutes) c) Breaking down of cellulose by enzymatic activity of pathogen.	wer All	Questions	Time- 3 hours
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