## THE OPEN UNIVERSITY OF SRI LANKA

B.Sc. DEGREE PROGRAMME - BOTANY - LEVEL 05

BTU 3102/BTE 5102 – PLANT PATHOLOGY I

ASSESSMENT TEST III (NO BOOK TEST)

**DURATION: ONE (01) HOUR** 





Date: 10 <sup>th</sup> October 2007		October 2007 Time: 4.00 p.m. – 5.00 p.m.
ANS	SWER .	Reg. NoALL QUESTIONS IN THE SPACE PROVIDED.
I.	a)	State the causative organism for <u>each</u> of the following plant diseases.
	i.	Fire blight on pear –
ı	ii.	Downy mildew on grapes –
	iii.	Fungal vascular wilt on tomato –
	iv.	Rust on coffee –
	v.	White root on rubber –
	b)	Answer the following questions based on the diseases mentioned in I. a).
	i.	With the aid of a fully labelled diagram describe the morphology of the
		causative organism of (a) (i).



ii. Illustrate how pathogen (a) (ii) colonizes the mesophyll cells of grapes.

iii. Describe how pathogen (a) (iii) disrupts the water flow of the host vascular tissue.

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What measures a	re taken to c	control disease (a	a) (v) in Sri Lanka?
			. He day and the last that the last last last had been seen and the last last last last last last last last

(40 marks)

a)	wing pathological conditions.  Agrobacterium tumefaciens on woody trees.
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b)	Erwinia carotovora on carrot.
c)	Plasmodiophora brassicae on crucifers.
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d)	Pythium debaryanum on mung beans.
e)	Ustilago scitaminae on sugar cane.
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a)	Spore types of rusts.	
· ·	Discourance A. C. 11	
)	Disease management of post-harvest diseases.	
		1 MS 201 CE SE
)	Common anthracnoses in Sri Lanka.	
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III.

