

2nd SEMESTER 2013/2014

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION

PROGRAMME: BACHELOR OF SCIENCE IN AGRICULTURAL

EDUCATION YEAR 3, BACHELOR OF SCIENCE IN

AGRONOMY YEAR 3, AND BACHELOR OF SCIENCE IN

HORTICULTURE YEAR 3.

COURSE CODE: CP 304

TITLE OF PAPER: PLANT PATHOLOGY & DISEASE MANAGEMENT

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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COURSE CODE CP 304 (S)

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QUESTION 1

Discuss a disease of your choice under the following topics:

a.	Name of the disease	(2 marks)
b.	Causal agent	(2 marks)
c.	Host range	(3 marks)
d.	Symptoms and/or signs	(8 marks)
e.	Possible control measures	(10 marks)
QUESTIC	[25 marks]	
A. Discus	(10 marks)	

QUESTION 3

B. Discuss the gene-for-gene concept

c. Describe three sexual fruiting bodies of ascomycetes

Describe any five genera of phytopathogenic bacteria, give an example in each case.

[25 marks]

(3 marks)

(12 marks)

[25 marks]

QUESTION 4

Discuss the following strategies as they relate to bacterial disease management:

a)	Exclusion	(5 marks)
b)	Eradication	(10 marks)
c)	Protection	(10 marks)
		[25 marks]

QUESTION 5

a. List Kock's postulates	(5 marks)
b. Describe three ways in which pathogens attacks plants	(10 marks)
c. Compare and contrast symptoms of Ralstonia solanacearum and	Verticillium dahlia (or
arbo-atrum) in tomatoes.	(8 marks)

[25 marks]