



SUPPLEMENTARY 2004/2005

PAGE 1 OF 2

UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION PAPER

PROGRAMME: B.SC. IN AGRICULTURE YEAR 4 (CP AND HORTICULTURE OPTIONS)

COURSE CODE: CP 404

TITLE OF PAPER: PLANT PATHOLOGY

TIME ALLOWED: TWO (2) HOURS

INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS

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INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS**QUESTION 1**

- a) Differentiate between the following and give examples:
- i. Alternative host and alternate host (5)
 - ii. Signs and symptoms (5)
 - iii. Bacterial wilt and fungal wilt (5)
- b) Explain the gene-for-gene concept (10)
- (25)**

QUESTION 2

Describe the different groups of symptoms that can be exhibited by diseased plants giving an example of the causal agent in each case

(25)

QUESTION 3

Discuss plant disease management strategies and their rationale

(25)

QUESTION 4

Discuss the infection process up to and including colonisation

(25)

QUESTION 5

Grey leaf spot is one of the serious diseases of maize in Swaziland. Discuss:

- (a) The pathogen and its cycle (15)
 - (b) The disease management strategies. (10)
- (25)**