



2nd SEMESTER 2006/2007

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UNIVERSITY OF SWAZILAND

SUPPLEMENTARY EXAMINATION

**PROGRAMME: DIPLOMA IN AGRICULTURE YEAR 2 AND DIPLOMA IN
AGRICULTURAL EDUCATION YEAR 2.**

COURSE CODE: CP 205

TITLE OF PAPER: CROP DISEASES

TIME ALLOWED: TWO (2) HOURS

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS
BEGIN EACH QUESTION ON A NEW SHEET**

**DO NOT OPEN THIS PAPER UNTIL PERMISSION HAS BEEN GRANTED BY
THE CHIEF INVIGILATOR**

QUESTION 1

Discuss the different types of viruses based on their transmission by aphids.

[25 marks]

QUESTION 2

Describe how viruses are generally controlled.

[25 Marks]

QUESTION 3

Distinguish the following:

- a) An common and halo blight (5 marks)
- b) Common and southern rust on maize (5 marks)
- c) Symptoms of downy and powdery mildew (10 marks)
- d) A septate and an asepatate fungus (5 marks)

[25 marks]

QUESTION 4

List the causal agents of the following diseases:

- a. Early leafspot on groundnuts (5 marks)
- b. Web blotch on groundnuts (5 marks)
- c. Gray leafspot on maize (5 marks)
- d. Early blight on tomatoes (5 marks)
- e. Root-knot nematodes on okra. (5 marks)

[25 marks]

QUESTION 5

Using a disease of your choice:

- i. Name the causal agent. (4 marks)
- ii. Host range (3 marks)
- ii. Symptoms (8 marks)
- iii. Possible control measures (10 marks)

[25 marks]