



2ND SEMESTER 2015/2016

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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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QUESTION 1

Discuss a disease profile of a plant disease of your choice.

[25 marks]

QUESTION 2

Name the causal agent of each of the following diseases:

- | | |
|-----------------------------------|-----------|
| (i) Bacterial wilt of tomatoes | (3 marks) |
| (ii) Black rot of crucifers | (4 marks) |
| (iii) An autoecious rust on maize | (3 marks) |
| (iv) Early leafspot on groundnuts | (3 marks) |
| (v) Early blight on tomatoes | (3 marks) |
| (vi) Rust on geraniums | (3 marks) |
| (vii) Anthracnose on beans | (3 marks) |
| (viii) A leafspot of beetroot | (3 marks) |
- [25 marks]

QUESTION 3

Describe the different symptoms caused by plant viruses

[25 marks]

QUESTION 4

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

[25 marks]

QUESTION 5

Discuss the properties of any five genera of phytopathogenic bacteria and name a species of each.

[25 marks]