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University Examinations 2012/2013

THIRD YEAR, FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF
BACHELOR OF SCIENCE IN HORTICULTURE

AHS 2303: PLANT PATHOLOGY

DATE: AUGUST 2013

TIME: 2 HOURS

INSTRUCTIONS: Answer question *one* and any other *two* questions

QUESTION ONE (30 MARKS)

- a) State the contribution of Barry in the history of plant pathology. (3 Marks)
- b) Explain how pathogens cause plant disease. (4 Marks)
- c) Describe the strategies that could be used in the management of plant nematodes. (5 Marks)
- d) Explain the chemical defense mechanisms in plant with appropriate examples. (5 Marks)
- e) Write explanatory notes on the cause and symptoms of bacterial soft rot. (5 Marks)
- f) Explain the control measures of soil fungal pathogens. (4 Marks)
- g) Describe four specific environmental manipulations that farmers may use to manage or prevent plant pathogens ecologically. (4 Marks)

QUESTION TWO (20 MARKS)

Write an essay on transmission of plant diseases

QUESTION THREE (20 MARKS)

Describe the principles of plant disease control.

QUESTION FOUR (20 MARKS)

Discuss environmental factors affecting disease development.

QUESTION FIVE (20 MARKS)

Describe inoculation and penetration stage of a disease cycle.