



"Investing in Africa's future"

COLLEGE OF HEALTH AGRICULTURE AND NATURAL SCIENCES

NACP 404: PLANT PATHOLOGY

END OF SECOND SEMESTER EXAMINATION

APRIL 2026

LECTURER: MR. J. TABARIRA

DURATION: 3 HRS

INSTRUCTIONS

Answer all questions in Section A and any **three** from Section B

Section A carries **40 marks** and each question in section B carries **20 marks**.

SECTION A: Answer **all** questions from this section.

Question 1

- a. Briefly discuss the key components of a disease cycle and how each contributes to the occurrence of a disease. [10]
- b. Outline the key differences between contact fungicides and systemic fungicides. [10]
- c. Discuss, giving relevant examples the importance of plant diseases. [10]
- d. Outline the key human factors influencing disease epidemiology [10]

SECTION B: Answer any **three** (3) questions from this section.

Question Two

Discuss in detail the measures used to manage root-knot nematode in tobacco. [20]

Question Three

Describe the main components of the disease tetrahedron and their importance in disease epidemiology [20]

Question Four

Explain in detail the different methods by which fungicides are applied to crops for effective disease management. [20]

Question Five

For a crop you have studied, discuss two major diseases under the following subheadings:

- a. Name of disease; [2]
- b. Causative agent; [2]
- c. Predisposing factors; and, [8]
- d. Control measures. [8]

Question Six

- a. Define the term plant quarantine and explain why it is implemented. [5]
- b. Discuss precautionary measures governments should adopt when importing plant materials. [15]

END OF QUESTION PAPER!!!

