



“Investing in Africa’s future”

COLLEGE OF HEALTH, AGRICULTURE & NATURAL SCIENCES

NACP 502: ADVANCED PLANT PATHOLOGY

END OF FIRST SEMESTER FINAL EXAMINATIONS

NOVEMBER/ DECEMBER 2022

LECTURER: W. MANYANGARIRWA

DURATION: 3 HOURS

INSTRUCTION

ANSWER ANY FOUR QUESTIONS

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1. Give an outline of the procedures followed in extracting nematodes from a soil sample. [25]
2. Give a detailed outline of the **main fungicide groups** used in crop production. In you answer cite relevant fungicides and their mode of action. [25]
3. Discuss the principles of an integrated disease management approach on a crop that you have studied in detail. [25]
4. From your knowledge of the **fungal disease cycle**, describe how a farmer can target the weak points to slow down or stop the development of a disease. [25]
5. Discuss the **host and pathogen** factors that are important in disease epidemiology. In you answer indicate how human beings can manipulate these factors to reduce disease incidence. [25]
6. With the use of relevant examples, give a concise outline of the classification of fungi into the five main divisions. [25]
7. Give a concise outline of measures that farmers can implement to minimize fungal resistance to fungicides. [25]
8. Discuss how you would test a sample of bean seeds for the presence of seed-borne fungi. [25]

END OF EXAMINATION PAPER