



“Investing in Africa’s future”

**COLLEGE OF HEALTH, AGRICULTURE AND NATURAL
SCIENCES**

ACP 304: PLANT PATHOLOGY

**BSC AGRICULTURE AND NATURAL RESOURCES WEEKEND
PROGRAMME**

END OF SECOND SEMESTER EXAMINATIONS

NOVEMBER 2019

LECTURER: WALTER MANYANGARIRWA

DURATION: 3 HRS

INSTRUCTIONS

ANSWER ANY FOUR QUESTIONS

All questions carry equal marks (25)

Write legibly

ACP 304 PLANT PATHOLOGY

INSTRUCTION

ANSWER ANY FOUR QUESTIONS

1. Plant disease clinics are important in disease diagnosis. Outline the laboratory procedures followed when a farmer submits a diseased plant sample up to giving recommendations to control the disease. [25]
2. Give a detailed outline of the major **Systemic fungicide groups** citing the fungal pathogens controlled by each fungicide group. [25]
3. For any TWO annual crops that you have studied in detail, outline the main diseases encountered and assess the impact of integrated crop management in controlling the diseases. [25]
4. As a diligent crop manager how would you implement a fungicide resistance management programme to reduce the chances of fungi developing resistance to fungicides at your farm? [25]
5. Seed borne diseases can be caused by fungi, bacteria or viruses. Describe in detail the laboratory techniques used to test seeds for **fungal** pathogens. [25]
6. Discuss the importance of Plant Quarantine as a disease management strategy starting from the farm level to the global level. Cite appropriate examples of diseases under quarantine surveillance to support your arguments. [25]
7. With reference to tobacco, cite the major nematode species of economic importance and suggest measures that can be implemented to control the nematodes. [25]

END OF EXAMINATION PAPER