

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE
IN BOTANY (PLANT PATHOLOGY)**

BOTA 856: BIOCHEMISTRY OF PLANT DISEASES

STREAMS: BSc. BOTANY

TIME: 3 HOURS

DAY/DATE: MONDAY 14/04/2025

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS

- **Answer any three questions**

Q1 Discuss the molecular mechanisms that confer resistance against phytopathogens. 20 marks

Q2. a) Discuss the mechanisms that various plant pathogens use to survive a disease cycle. 10 marks
b) Describe the key considerations used in proper plant disease diagnosis. 10 marks

Q3. Discuss the structural defenses that protect plants against attack by pathogens. 20 marks

Q4. Describe the various divisions of fungi that are associated with important plant pathogens citing examples of specific genera 20 marks

Q5. Discuss plant disease symptoms associated with hypoplasia and necrosis 20 marks

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