

CHUKA



UNIVERSITY

**UNIVERSITY EXAMINATIONS**

**EXAMINATION FOR THE AWARD OF MASTER  
OF SCIENCE IN AGRICULTURE**

**AGRI 832: CROP DISEASES AND DISEASE CONTROL**

**STREAMS: BSC (ENSC) SB**

**TIME: 3 HOURS**

**DAY/DATE: WEDNESDAY 15/04/2020**

**8.30 A.M. – 11.30 A.M.**

**INSTRUCTIONS: ANSWER ANY 3 QUESTIONS**

1. Discuss the factors that affect development of epidemics [20 marks]
  2. (a) To what extent is forecasting useful in disease management [5 marks]  
(b) Discuss how one would implement an Integrated Disease Management programme for late blight disease of potatoes, give reasons for control methods selected [15 marks]
  3. Discuss soft rot of fruits and vegetables under the following subheadings:
    - (a) Causal agent [2 marks]
    - (b) Symptoms [4 marks]
    - (c) Disease cycle [6 marks]
    - (d) Control [8 marks]
  4. Discuss plant disease control by:
    - (a) Eradication and reduction of inocula [14 marks]
    - (b) Resistant varieties [6 marks]
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