



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

SEPTEMBER –DECEMBER 2021

FACULTY OF SCIENCE

DEPARTMENT OF BIOLOGY

REGULAR PROGRAMME

BIO 404: PLANT HEALTH MANAEMENT

Date: DECEMBER 2021

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and any TWO Questions

- Q1 a) State any Two roles of KEPHIS (2 Marks)
- b) Highlight 6 physical agents used in disease control (6 Marks)
- c). Briefly describe the contributions made by Jenson in 1952; (2 Marks)
- d). Give 4 types of chemical compounds used for plant disease control (6 Marks)
- e). Define the following terms; (6 Marks)
- i. Quarantine
 - ii. Resistance
 - iii. Bactericide
- f). Explain 2 types of crop resistance (4 Marks)
- g). Highlight any 3 common methods of developing resistance in plant host (3 Marks)
- Q2. Explain the various methods of application of fungicides (20 Marks)

Q3. Discuss cultural methods of plant disease management **(20 Marks)**

Q4. Explain the main components of Integrated Disease Management **(20 Marks)**

Q5. Discuss the fundamental principles of plant disease management **(20 Marks)**

END