



**MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
(MMUST)**

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

**2021/2022 ACADEMIC YEAR (REGULAR)
FIRST YEAR SECOND SEMESTER EXAMINATIONS**

**MAIN EXAMINATIONS FOR CERTIFICATE IN GENERAL
AGRICULTURE**

COURSE CODE: CAG 014

COURSE TITLE: CROP PESTS, DISEASES AND WEEDS MANAGEMENT

DATE: 21ST APRIL, 2022

TIME: 3-5PM

INSTRUCTIONS TO STUDENTS

Answer all questions in section A

Answer any TWO questions in section B

Total Marks =70

MMUST observes ZERO tolerance to examination cheating

SECTION A 30 Marks

1. Define the following terms:(5 marks)
 - a) Crop Pests:
 - b) Crop Diseases:
 - c) Weeds:
 - d) Phytopathogens:
 - e) Telescopic development:

2. Name the pathogen causal agent of the following diseases in plants (6 marks)
 - a) Ralstonia wilt in tomato
 - b) Damping-off
 - c) Soft Rot disease
 - d) Early blight
 - e) TLCV
 - f) Gall disease

3. Name **THREE** field crop pests and briefly describe how they can be managed (9 marks)

4. Explain how you would know if a tomato plant is infected with Bacterial/Ralstonia wilt (10 marks)

Section B 40 Marks

5. As an Agricultural Officer working with Ministry of Agriculture, a farmer has invited you to diagnose aphids' infection in his vegetable farm. Describe the signs and symptoms that would indicate/confirm the invasion by the pest (20 marks)

6. Name **FIVE** weeds and state how each can be controlled (20 marks)

7. State and explain the IPM programs (20 marks)

8. State and briefly explain the benefits of use of IPM Programs (20 marks)