



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.

Tel: +254 (0)799529958, +254 (0)799529959, +254 (0)712524293

Website: www.must.ac.ke Email: info@must.ac.ke

University Examinations 2024/2025

FOURTH YEAR, FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN AGRICULTURE

AAA 3402: CROP PROTECTION

DATE: DECEMBER 2024

TIME: 2 HOURS

INSTRUCTIONS:

1. Answer Question ONE, and any other TWO

QUESTION ONE (30 MARKS)

- a) Describe any five methods of managing and controlling bacterial wilt in tomatoes (5 Marks)
- b) Describe management of viral diseases in passion fruit production (10 marks)
- c) Describe why antibiotics are not recommended for use as method in crop protection (5 Marks)
- d) Describe any five (5) classification category of pesticides (5 Marks)
- e) Describe how *Bacillus thuringiensis* (BT) is utilized as a biological control agent of insect pests (5 Marks)

QUESTION TWO (20 MARKS)

Discuss principles of IPM in of pest control (20 Marks).

QUESTION THREE (20 MARKS)

- a) Discuss any four (5) diseases that affect tomatoes and their control (10 Marks)
- b) Describe infection mechanism of *Striga hermonthica* in maize and its management (10 Marks)

QUESTION FOUR (20 MARKS)

Discuss any five (5) good agricultural practices during tomato production that enabling plant evade to pest infestation during growth and development (20 marks)

