



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**FIRST YEAR SECOND SEMESTER EXAMINATIONS
MAIN EXAMINATION**

**FOR THE DEGREE
OF
MASTER OF SCIENCE IN CROP PROTECTION/APPLIED
ENTOMOLOGY**

COURSE CODE: BCP 821/SZL 834

**COURSE TITLE: PEST MANAGEMENT SCIENCE /
INTEGRATED PEST MANAGEMENT**

DATE: THURSDAY, 21ST APRIL 2022

TIME: 9:00 – 12:00 P.M.

INSTRUCTIONS TO CANDIDATES

Answer **FOUR** questions
Question **ONE** is Compulsory

TIME: 3Hours

MMUST observes ZERO tolerance to examination cheating

BCP 821/SZL 834: PEST MANAGEMENT SCIENCE / INTEGRATED PEST
MANAGEMENT

This Paper Consists of 2 Printed Pages. Please Turn Over.



Compulsory

1. Discuss five (5) types of biological control agents for insect pests based on their ecological mechanisms in Integrated Pest Management. [15 marks]

Choose any three

2. Discuss five (5) aspects that would determine decisions on the pest control tactics in the integrated management of the African Bollworm *Helicoverpa armigera* and the Southern Green Stink Bug *Nezara viridula* infesting the same cotton plantation. [15 marks]

3. Discuss possible challenges in the management of root disease complexes involving plant-parasitic nematodes and microbial pathogens. [15 marks]

4. Propose an Integrated Pest Management approach for the control of the deadly malaria infection based on its disease triangle. [15 marks]

5. Provide an overview of any five (5) policies that the Government of Kenya may implement for the sustainable control of invasive pests. [15 marks]