



(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 APPLIED ENTOMOLOGY**

COURSE CODE: SZL 833

**COURSE TITLE: PESTICIDE TOXICOLOGY AND
APPLICATION**

DATE: WEDNESDAY, 20TH 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

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

SZL 833-PESTICIDE TOXICOLOGY AND APPLICATION

Compulsory

1. Describe how you would establish that the efficacy of a pyrethroid insecticide varies between four (4) different strains of the mosquito *Anopheles gambiae* [15 marks]

Choose any three

2. Describe five (5) types of insecticide formulations focusing on their methods of application. [15 marks]

3. Give an overview of botanical insecticides and their application in pest management. [15 marks]

4. Discuss five (5) modes of action of insecticide compounds. [15 marks]

5. Provide a fifteen-point (15) advisory on how to market insecticide products based on scientific information. [15 marks]