



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

**UNIVERSITY EXAMINATIONS**

**2021/2022 ACADEMIC YEAR**

**MAIN EXAMINATIONS  
MAIN CAMPUS**

**FIRST YEAR FIRST SEMESTER EXAMINATIONS**

**FOR THE DEGREE  
OF  
MASTER OF SCIENCE IN APPLIED ENTOMOLOGY**

**COURSE CODE: SZL 818**

**COURSE TITLE: MEDICAL ENTOMOLOGY**

**DATE: FRIDAY, 14<sup>TH</sup> JANUARY 2022**

**TIME: 8:00 – 11:00 A.M.**


---

**INSTRUCTIONS TO CANDIDATES**

Answer FOUR questions, question ONE is compulsory

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

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

1. (a) Distinguish between the different biological modes of pathogen transmission by vectors (8 marks)  
b) Fleas are significant in disease transmission, I disagree. Discuss (7 marks)
2. Mosquitoes are the organisms to be closely monitored. Explain (15 Marks)
3. Climate change impacts greatly on vector-borne diseases. Expound (15 Marks)
4. For a vector to transmit pathogens, many factors come in to play. Discuss the statement (15 marks)
5. Use of chemical pesticides in disease control has been applauded but it is also detrimental to the environment. Discuss (15 Marks)