

30



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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS (MAIN PAPER)
2023/2024 ACADEMIC YEAR**

FIRST YEAR FIRST SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
MASTER OF SCIENCE IN MEDICAL LABORATORY
SCIENCES/BIOMEDICAL SCIENCES**

COURSE CODE: BML 815

COURSE TITLE: INFECTIOUS DISEASE IMMUNOLOGY

DATE: 7TH DECEMBER 2023

TIME: 2:00-5:00 PM

INSTRUCTIONS TO CANDIDATES

EACH OF THE FIVE QUESTIONS IN THIS PAPER CARRIES 25 MARKS. ANSWER QUESTION ONE AND ANY OTHER 3 QUESTIONS. DO NOT WRITE ON THE QUESTION PAPER

TIME: 3 Hours

**MMUST observes ZERO tolerance to examination
cheating**

This Paper Consists of 2 Printed Pages. Please Turn Over

1. Elucidate immune protective mechanisms mounted against extracellular bacteria in the body (25 Marks).
2. Explore the various detailed features of neutrophils and involvement in protecting the body against infectious diseases. (25 Marks)
3. Elaborate on the determinism and stochastic theory of cell fate determination in haematopoiesis and involvement of TFs in regulation (25 Marks)
4. Discuss the immunopathological consequences of viral infections. (25 Marks)
5. Discuss immunity to intracellular bacteria. (25 Marks)