



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2017/2018 ACADEMIC YEAR**

END OF TRIMESTER EXAMINATIONS

**FOR THE DEGREES
OF**

**MASTER OF MEDICAL LABORATORY SCIENCES & TECHNOLOGY
AND MASTER OF BIOMEDICAL SCIENCES
(MEDICAL IMMUNOLOGY OPTION)**

COURSE CODE: BMI 824

COURSE TITLE: CLINICAL IMMUNOLOGY AND IMMUNOPROPHYLAXIS

DATE: WEDNESDAY, 1ST AUGUST, 2018

TIME: 8:00AM - 10:00AM

INSTRUCTIONS TO CANDIDATES

This examination paper contains five questions of 25 marks each. Answer QUESTIONS ONE and any other THREE questions. Illustrate your answers with labeled diagrams where appropriate.

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

QUESTION ONE

Describe the utility of antigen-antibody reactions in laboratory diagnosis of human diseases (25 marks).

QUESTION TWO

Discuss immune responses during progression of HIV-1 infections (25 marks).

QUESTION THREE

Describe vaccination as a tool for primary level prevention of infectious diseases (25 marks).

QUESTION FOUR

Describe tumor immunosurveillance and immune evasion (25 marks).

QUESTION FIVE

Discuss the mechanisms of autoimmune diseases (25 marks).