



(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: DAY, XX JULY, 2018

TIME: X.XX XX - XXXXX

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 HIV-1 infection: aetiology, stages, immunity and immune evasion, and diagnosis (25 marks).

QUESTION THREE

Classify grafts and discuss mechanisms and prevention of allograft rejection (25 marks).

QUESTION FOUR

Classify tumour antigens and their use in screening, diagnosis and management of human cancers (25 marks).

QUESTION FIVE

Describe types, and mechanisms of immunity of human vaccines (25 marks).