



(University of Choice)

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

MAIN CAMPUS

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

END OF SEMESTER TWO EXAMINATIONS

FOR THE DEGREES OF

**MASTER OF SCIENCE IN MEDICAL LABORATORY SCIENCES &
TECHNOLOGY
(HAEMATOLOGY AND BLOOD TRANSFUSION OPTION)**

COURSE CODE: BMH 823

COURSE TITLE: LEUKOCYTE AND THROMBOCYTE PATHOLOGY

DATE: 8TH DECEMBER 2023

TIME: 2.00-5.00PM

INSTRUCTIONS TO CANDIDATES:

This examination paper contains four questions of 25 marks each. Answer ALL 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

BMH 823: LEUKOCYTE AND THROMBOCYTE PATHOLOGY

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QUESTION ONE

Discuss leukocytosis: categories, causes and laboratory diagnosis (25 marks)

QUESTION TWO

Describe DIC, its causes, clinical manifestations and diagnosis (25 marks)

QUESTION THREE

Discuss thrombocytopenia as a condition in platelet pathology (25 marks)

QUESTION FOUR

Immunodeficiency disorders lead to recurrent infections and increased susceptibility to illnesses. Describe how the different components of the immune system may be evaluated. (25 marks)