



(University of Choice)

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

(MAIN CAMPUS)

**UNIVERSITY EXAMINATIONS (MAIN PAPER)
2021/2022 ACADEMIC YEAR**

FIRST YEAR SECOND SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
MASTER OF SCIENCE, MEDICAL LABORATORY SCIENCES
(HEMATOLOGY AND BLOOD TRANSFUSION)**

COURSE CODE: BMH 821

**COURSE TITLE: CELLULAR AND THROMBOCYTE
HEMATOPATHOLOGY**

DATE: 10/01/2022

TIME: 8.00 - 11.00 AM

INSTRUCTIONS TO CANDIDATES

This paper is divided into three sections, **A B** and **C**, carrying respectively: Multiple Choice Questions (**MCQs**), Short Answer Questions (**SAQs**) and Long Answer Questions (**LAQs**). **Answer all questions. DO NOT WRITE ON THE QUESTION PAPER.**

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 4 Printed Pages. Please Turn Over

TIME: 3 HOURS

Instructions: Attempt Question 1 and 3 Other Questions.

1. Which one of the following is TRUE about Azithromycin?
 - A. It is an aminoglycoside antibiotic
 - B. It is a fluoroquinolone antibiotic
 - C. It is a β -Lactam antibiotic
 - D. It is a macrolide antibiotic
2. Which one of the following is the correct pharmacological classification of thiopentone?
 - A. It is a local anesthetic
 - B. It is a skeletal muscle relaxant
 - C. It is a general anesthetic
 - D. It is a cardiac glycoside
3. Why one is cyclosporine useful in the treatment of myasthenia gravis?
 - A. Because it is an acetylcholinesterase inhibitor
 - B. Because it is an agonist at nicotinic cholinergic receptors
 - C. Because it is an antagonist at nicotinic cholinergic receptors
 - D. Because it is an immunosuppressant
4. Which one of the following is TRUE about Flumazenil?
 - A. It is a benzodiazepine receptor agonist
 - B. It is a β -carboline
 - C. It is a benzodiazepine receptor antagonist
 - D. It can cause skeletal muscle relaxation on administration
5. Why are diuretics beneficial in the treatment of hypertension?
 - a. Because they decrease the rate of contraction of the heart
 - b. Because they increase the rate of contraction of the heart
 - c. Because they decrease the rate of contraction of the heart
 - d. Because they decrease the total body fluid volume