

(University of Choice)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS (MAIN PAPER) 2022/2023 ACADEMIC YEAR

FIRST YEAR SECOND TRIMESTER EXAMINATIONS

FOR THE DEGREE

MASTER OF MEDICAL LABORATORY SCIENCES/MASTER
OF MEDICAL BIOTECHNOLOGY

COURSE CODE:

BMH 826

COURSE TITLE:

MOLECULAR DIAGNOSTICS AND BLOOD

TRANSFUSION

DATE: 19TH APRIL 2023

TIME: 11.00AM - 2.00PM

INSTRUCTIONS TO CANDIDATES

Answer All Questions

TIME: 3 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

| 1. | Give an account of the history of molecular diagnostic techniques | [20 Marks] |
|----|---|------------|
| 2. | Discuss the use of spectral karyotyping imaging for diagnosis | [20 Marks] |
| 3. | Elucidate the methods for molecular blood grouping | [20 Marks] |
| 4. | Discuss the limitations of DNA analysis | [20 Marks] |
| 5. | Discuss the applications of molecular methods in prenatal setting | [20 Marks] |