



(University of Choice)

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

(MAIN CAMPUS)

UNIVERSITY EXAMINATIONS

FIRST YEAR SECOND SEMESTER 2021/2022 ACADEMIC YEAR

MAIN EXAMINATIONS

**FOR THE MASTER OF SCIENCE
IN
IMMUNOLOGY/MOLECULAR BIOLOGY**

COURSE CODE: SBB 828

COURSE TITLE: IMMUNOCHEMICAL TECHNIQUES

DATE: THURSDAY, 21ST APRIL 2022

TIME: 9:00 – 12:00 P.M.

INSTRUCTIONS:

Answer any four questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 6 Printed Pages. Please Turn Over

SBB 828: IMMUNOLOGICAL TECHNIQUES

1. Discuss the flow cytometry technique and its applications. (15 Marks)
2. Discuss the immunological antigen precipitation techniques. (15 Marks)
3. Discuss RNA splicing on Ig heavy chain sequences. (15 Marks)
4. Describe B cell activation mechanism and the structure of antibody molecules. (15 Marks)
5. Discuss the CD molecules and markers of immunological activation. (15 Marks)