



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

**MAIN CAMPUS
MAIN EXAMINATION**

**UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

FIRST YEAR FIRST SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
MASTERS OF SCIENCE IN BIOINFORMATICS**

COURSE CODE: SBI 821

COURSE TITLE: PROTEOME INFORMATICS

DATE: WEDNESDAY, 27TH APRIL 2022 TIME: 9:00 – 12:00 P.M.

INSTRUCTIONS TO CANDIDATES

ANSWER ANY THREE QUESTIONS

TIME: 3 HOURS

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over.



1. Discuss the applications of proteomics in clinical research. [20 marks]
2. Discuss the various proteomics techniques. [20 marks]
3. Discuss the applications of protein engineering in the pharmaceutical industry. [20 marks]
4. Discuss the analytical methods in metabolomics. [20 marks]
5. Discuss the concept of metagenomics. [20 marks]
6. Write an essay on proteome informatics. [20 marks]