



(University of Choice)

**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
(MAIN CAMPUS)
UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR**

**MAIN EXAMINATION
FOR THE DEGREE
OF
MASTER OF SCIENCE IN MICROBIOLOGY**

**COURSE CODE: 825E
COURSE TITLE: APPLIED BIOPHARMACEUTICAL &
BIOTECHNOLOGY**

DATE: TUESDAY, 19TH APRIL 2022 TIME: 9:00 – 12:00 P.M.

INSTRUCTIONS TO CANDIDATES

Answer any three questions.

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over



1. Discuss quality control procedures related to biotechnology products formulation. (20 marks)
2. Discuss a novel method in delivery of biotechnology derived drug. (20 marks)
3. Describe stages in monoclonal antibody production. (20 marks)
4. Discuss various recombinant vaccines development strategies. (20 marks)