



MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

SECOND YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

MASTER OF SCIENCE IN MEDICAL BIOTECHNOLOGY

COURSE CODE:

BMB 823

COURSE TITLE:

STEM CELL AND TISSUE CULTURE

DATE: 21/4/2022

TIME: 12.00 -3.00 PM

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.	Describe the history of stem cells	[20	Marks]
2.	Describe the stem cell markers	[20	Marks]
3.	Discuss the concept of Niche in stem cell biology		Marks]
4.	Discuss the types and sources of stem cells	[20	Marks]
5.	Elucidate the applications and uses of stem cells	[20	Marks