



(University of Choice)

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

**UNIVERSITY EXAMINATIONS
2022/2023 ACADEMIC YEAR**

THIRD YEAR SECOND SEMESTER MAIN EXAMINATIONS

**FOR THE BACHELOR OF SCIENCE
IN
DISASTER MITIGATION AND SUSTAINABLE DEVELOPMENT**

COURSE CODE: DSM 307

COURSE TITLE: ENVIRONMENTAL RESTORATION

DATE: 11/4/2023

TIME: 3-5 PM

INSTRUCTIONS TO CANDIDATES

Question **ONE (1)** is compulsory
Answer any other **TWO (2)** questions

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

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

QUESTION ONE

Explain the concept of environmental restoration. **(8 Marks)**

Discuss reasons behind advocating for ecological restoration in disaster mitigation. **(8 Marks)**

Examine the four main factors to consider when planning for an environmental restoration activity in Kakamega forest. **(8 Marks)**

Thinking globally and acting locally is the main 'motto' in environmental restoration. Justify this statement. **(6 Marks)**

QUESTION TWO

Explain the physical and biotic information you are likely to collect from an ecosystem prior to a restoration program. **(8 Marks)**

Outline the steps taken while preparing and launching a regeneration plan. **(12 Marks)**

QUESTION THREE

Distinguish between natural and artificial regeneration. **(10 Marks)**

Explain the basis for the humans' involvement in environmental restoration activities. **(10 Marks)**

QUESTION FOUR

Explain four key reasons why ecological restoration is the most important endeavour of our time. **(10 Marks)**

Explain how environmental restoration is different from afforestation. **(10 Marks)**