

110



(University of Choice)

**MASINDEMULIROUNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)
MAIN CAMPUS**

MAIN EXAMINATIONS

UNIVERSITY EXAMINATIONS

2023/2024 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER EXAMINATIONS

FOR THE DEGREE OF

**BACHELOR OF SCIENCE IN DISASTER PREPAREDNESS AND ENVIRONMENTAL
TECHNOLOGY**

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

BACHELOR OF SCIENCE IN GEOSPATIAL INFORMATION SCIENCE

BACHELOR OF SCIENCE IN DISASTER EMERGENCY MANAGEMENT

**BACHELOR OF SCIENCE IN CONFLICT RESOLUTION AND HUMANITARIAN
ASSISTANCE**

COURSE CODE: DPE 200

COURSE TITLE: NATURAL DISASTERS AND HAZARDS

DATE: 07/12/2023

TIME 8-10AM

INSTRUCTIONS TO CANDIDATES

^{1B} Answer Question 1(ONE) and any other TWO Questions

TIME: 2 HOURS

MMUST observes ZERO tolerance to examination cheating

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

SECTION 1: COMPULSORY {30 MARKS}

Question ONE

- a) Write categorically the difference between:
- i) Natural disasters and Natural hazards **(4 marks)**
 - ii) Geophysical and Climatological disasters **(4 marks)**
 - iii) Risk and disaster risk **(4 marks)**
 - iv) Vulnerability and coping capacity **(4 marks)**
- b) Discuss human actions that tend to increase vulnerability to disasters **(8 marks)**
- c) State and explain the major ways in which the community can deal with emergencies comprehensively **(6 marks)**

SECTION II: ATTEMPT ANY OTHER TWO (2) QUESTIONS [40 MARKS]

Question TWO

Compare and contrast the interaction of hazards, vulnerability, and disaster risk in relation to natural disasters and hazards **(20 marks)**

Question THREE

The management of hazards depends greatly on our understanding of the phenomenon. A global review of disaster reduction initiatives classifies Hazards in various categories. State and explain using examples? **(20 marks)**

Question FOUR

The type of hazards differs in terms of onset. Using relevant examples discuss and differentiate between them? **(20 marks)**

Question FIVE

Industrial hazards are a major setback in securing the continent and countries at large. Justify the statement using various examples? **(20marks)**