



(University of Choice)

MASINDE MULIRO UNIVERSITY OF

SCIENCE AND TECHNOLOGY

(MMUST)

MAIN CAMPUS

UNIVERSITY EXAMINATIONS

2021/2022 ACADEMIC YEAR

FOURTH YEAR SECOND SEMESTER EXAMINATIONS

FOR THE DEGREE

OF

**BACHELOR OF SCIENCE IN DASTER MITIGATION AND SUSTAINABLE
DEVELOPMENT AND RELATED COURSES**

COURSE CODE: DSM 408

COURSE TITLE: INTERGRATED COMMUNITY PLANNING

DATE: 25/04/2022

TIME: 3 - 5PM

INSTRUCTIONS TO CANDIDATES

Answer question **ONE** and any **TWO** questions.

TIME: 2 Hours

MMUST observes **ZERO** tolerance to examination cheating

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

Question one

- a) Briefly explain the following terms
 - i. Public awareness **(2 Marks)**
 - ii. Early warning system **(2 Marks)**
 - iii. Contingency planning **(2 Marks)**
 - iv. Adult learning **(2 Marks)**
- b) State the targets of Sendai Framework for disaster risk reduction 2015-2030. **(7 Marks)**.
- c) Outline the objectives of disaster public awareness raising. **(5 Marks)**
- d) State the four elements of a multi hazard early warning system. **(4 Marks)**
- e) Examine the characteristics of hazards. **(6 Marks)**

Question two

- a) You have been appointed to lead a task force to develop a community-based early warning system. Discuss the steps you could take to establish a functional early warning system. **(8 Marks)**
- b) Outline the benefits of such an early warning system to the community. **(6 Marks)**
- c) Explain the potential challenges that you may encounter while implementing the early warning system. **(6 Marks)**

Question three

- a) Explain the term public participation **(4 Marks)**
- b) Discuss the challenges you may encounter during public participation **(8 Marks)**
- c) Summarize the benefits of engaging the public in disaster planning. **(8 Marks)**

Question four

- a) Explain the concept of disaster risk in the context of COVID 19 pandemic highlighting if it is the 'exposed' or 'vulnerable' that people will guide the government in targeting persons for the vaccination against the disease. **(7 Marks)**
- b) With examples elaborate, the extent to which COVID 19 pandemic is an example of 'systemic nature risk'. **(6 Marks)**
- c) Explain the role of volunteers in community recovery from COVID -19 crisis in Kenya. **(7 Marks)**