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*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**2023/2024 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELORS OF SCIENCE IN EMERGENCY  
MANAGEMENT AND HUMANITARIAN ASSISTANCE, CONFLICT RESOLUTION  
AND HUMANITARIAN ASSISTANCE**

**COURSE CODE: DIM 114**

**COURSE TITLE: DISASTER RISK SCIENCE**

**DATE: 18/12/2023**

**TIME: 8-10AM**

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**INSTRUCTIONS TO CANDIDATES:**

**Answer QUESTION ONE and ANY OTHER TWO QUESTIONS**

**TIME: 2 Hours**

**MMUST observes ZERO tolerance to examination cheating**

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



1. a) Explain the following terms as used in disaster management

- i) Mitigation (2 Marks)
- ii) Hazard (2 Marks)
- iii) Emergency (2 Marks)
- iv) Vulnerability (2 Marks)
- v) Risk (2 Marks)

b) Differentiate between an emergency and a disaster situation (6 Marks)

c) Explain any four conflict management approaches. (8 Marks)

d) Describe the following forms of disasters

- i) Floods (2 Marks)
- ii) Tsunami (2 Marks)
- iii) Landslides (2 Marks).

Q2 (a) State and explain five impacts of disaster on the community. (10 marks)

(c) Describe five challenges of disaster management in Kenya (10 marks)

Q3 (a) Discuss five serious disruptions in a country development that are caused by disasters. (10mks)

(b) Describe five actors in disaster management drawing their functions. (10 marks)

Q4 (a) Discuss the benefits that accrue to an organization that embraces disaster preparedness (10 marks)

(b) State the activities at the search and rescue phase of an emergency operation (10 marks)