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(*University of Choice*)

MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY (MMUST)

MAIN

UNIVERSITY EXAMINATIONS
2021/2022 ACADEMIC YEAR
SECOND YEAR SECOND SEMESTER
FOR THE BACHELOR OF SCIENCE
IN
EPIDEMIOLOGY AND BIOSTATISTICS

COURSE CODE: HEM 222

COURSE TITLE: DISATER MANAGEMENT

DATE: 19/04/2022   **TIME: 8.00-10.00 AM**

INSTRUCTIONS:
ANSWER ALL QUESTIONS IN SECTION A, AND ANY TWO IN SECTION B

TIME: 2 Hours

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

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SECTION A (40 MARKS) ANSWER ALL QUESTIONS IN THIS SECTION

1. Differentiate between the following terminologies as used in disaster management
   i) Hazard and Risk   (2Marks)

   ii) Environmental vulnerability and Physical vulnerability (2marks)

   iii) Disaster and emergency   (2marks)

2. Name and explain three natural disasters you are familiar with in Kenya   (4 marks)

3. Illustrate disaster management process (6marks)

4. Identify emotional impacts of a disaster (4marks)

5. Outline the process of disaster risk assessment (5 Marks)

6. Describe major steps in mitigation a disaster (5marks)

7. Highlight the role of technology in disaster management (4mks)

8. State FOUR elements of early warning systems in disaster management   (4 marks)

PART B: LONG ESSAY QUESTIONS (30MKS) ATTEMPT QUESTIONS ONE AND ANY OTHER

1. You have been appointed to be Chief Executive officer, in the department of Health Emergency Operation Center in the Ministry of Internal security. Your first assignment is to identify stakeholders to work within the department to achieve or implement the goal of disaster management in Kenya. Discuss categories of stakeholders you would want to involve in your department, stating clearly what their role and responsibility would be in establishing a vibrant disaster management system in the ministry (15marks)

2. Discus types, role and responsibility of media in disaster management (15marks)

3. Identify and discuss SEVEN (7) steps used as a recovery plan in disaster management (15marks)