



MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

P.O. Box 972-60200 – Meru-Kenya.
Tel: +254 (0)799529958, +254 (0)799529959, +254 (0)712524293
Website: www.must.ac.ke Email: info@must.ac.ke

UNIVERSITY EXAMINATIONS 2024/2025

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR
OF SCIENCE IN HEALTH SYSTEM MANAGEMENT

NNH 3401 – DISASTER MANAGEMENT AND EMERGENCY RESPONSE

DATE: JANUARY 2025

TIME: 2 HOURS

INSTRUCTIONS: Answer Question **ONE** and any other **TWO** questions

QUESTION ONE

- Define "vulnerability assessment" and list three key factors that contribute to vulnerability in disaster management. (5 marks)
- Identify two vector-borne diseases that can arise after a disaster and quantify their potential transmission rates. (4 marks)
- Highlight the role of local public health organizations in disaster preparedness, stating at least four specific activities they undertake. (5 marks)
- List three essential components of an effective emergency response plan and provide a brief description of each. (6 marks)
- Describe the concept of "psychosocial support" in disaster recovery and quantify its importance by stating three specific benefits it provides to affected individuals. (5 marks)
- Examine five impacts of climate change on the frequency and severity of natural disasters. (5 marks)



SECTION B: LONG ANSWER QUESTIONS (20 MARKS EACH)

1. Discuss five health sector roles in disaster recovery, focusing on the integration of mental health services and physical health care. (20 marks)
2. Explain eight challenges associated with managing food safety and sanitation in disaster situations. (20 marks)
3. Evaluate eight importance of inter-agency collaboration in disaster response and recovery efforts. (20 marks)

