

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FOURTH YEAR EXAMINATION FOR THE AWARD OF DEGREE OF
BACHELOR OF SCIENCE IN ENVIRONMENTAL SCIENCE**

ENSC 452: DISASTER MANAGEMENT

STREAMS: ENSC Y4S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

11.30 A.M. – 1.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in Section A and ANY TWO from Section B
- Do not write on the question paper

SECTION A (30 MARKS)

1. Briefly explain any three methods of hazard identification. (6 marks)
2. Briefly explain any two non-structural mitigation that can be applied in a flood-prone area. (6 marks)
3. With examples, briefly explain any two types of disasters that are not nature related. (6 marks)
4. Briefly discuss any two non-tangible ways by which a community can be impacted by a disaster. (6 marks)
5. Mention any six ways by which response can be achieved to a health emergency. (6 marks)

SECTION B (40 MARKS)

6. An earthquake has happened to a large urban center causing collapse of buildings and 20,000 casualties. Explain the recovery measures that can be undertaken. (20 marks)
7. “Risk transfer is a debatable mitigation measure.” Discuss. (20 marks)
8. In disaster preparedness, the different actors are supposed to be ready to play their role to a foreseeable disaster. Discuss any five ways by which this can be achieved. (20 marks)