

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

RESITS/SPECIAL EXAMINATIONS

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

ENSC 452: DISASTER MANAGEMENT

STREAMS:

TIME: 2 HOURS

DAY/DATE: WED 30/8/2023

2.30 P.M. – 4.30 P.M.

Instructions:

Answer all questions in section A and any two in 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 centre with collapse of building and 20,000 casualties. Explain the recovery measure that can be undertaken. (20 marks)
7. Risk transfer is a debatable mitigation measure. Discuss. (20 marks)
8. In preparedness, the different actors are supposed to be made ready to play their role to a foreseeable disaster. Explain any five ways by which this can be achieved. (20marks)