

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD DEGREE OF
BACHELOR OF ENVIRONMENTAL SCIENCE**

ENSC 452: DISASTER MANAGEMENT

STREAMS: BSc. ENSC Y4 52

TIME: 2 HOURS

DAY/DATE: MONDAY 20/04/2020

8.30 A.M - 10.30 A.M.

INSTRUCTIONS:

- Answer All Questions in Section A and any Two questions in Section B
- Do not write anything on the Question paper.

SECTION A [30 MARKS]

1. Briefly explain any three ethical issues following disaster declaration and response. [6 Marks]
2. Briefly explain the possible roles of any three actors in an unfolding disaster. [6 Marks]
3. Briefly discuss the three phases of disaster management. [6 Marks]
4. Highlight the different types of waves associated with earthquakes. [6 Marks]
5. Briefly discuss the three elements considered in the determination of risk. [6 Marks]

SECTION B [40 MARKS]

6. The COVID-19 (Corona Virus) is a disease that is presently unfolding and is considered a global disaster. With Kenya in mind, discuss its predictability, factors contributing to vulnerability and possible risk reduction measures. [20 Marks]

 7. With regard to the current locust invasion, discuss any five possible socio-economic and environmental consequences of the invasion and control strategies employed. [20 Marks]

 8. The coastal area of Kenya is vulnerable to Tsunami, discuss any five passive mitigation strategies that can be employed to minimize possible damage or loss. [20 Marks]
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