

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DIPLOMA IN COMMUNITY
DEVELOPMENT**

DIMA 0234: TECHNICAL INFORMATION IN DISASTER RISK REDUCTION

STREAMS:

TIME: 2 HOURS

DAY/DATE: TUESDAY 21/09/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- *Question one is compulsory*
- *Choose any other two questions*

1. a) Explain briefly the meaning of the following technical terms as used in disaster risk reduction. (5 marks)
 - i. Acceptable risk
 - ii. Contingency planning
 - iii. Resilience
- b) Elaborate briefly on the common-sense approach of understanding technical terminologies in disaster risk reduction. (5 marks)
- c) Explain briefly the differences in meaning of hazard assessment and risk assessment. (5 marks)
- d) Briefly discuss the stage of disaster prevention in the disaster management cycle. (5 marks)
- e) Giving relevant examples what constitutes vulnerability assessment. (5 marks)
- f) What are the issues to consider for a good disaster prediction practice. (5 marks)

2. a) Disaster risk reduction utilizes technology to maximize on prevention and mitigation of disasters. Explain clearly the role of science and technology in disaster risk reduction. (10 marks)
b) Prioritization of risk reduction is a function of disaster risk governance. Elucidate with relevant examples the principles of disaster risk governance (10 marks)
 3. a) With relevant examples discuss the interaction between hazards, vulnerability and disaster risk. (10 marks)
b) Analyze the ways in which disaster risk reduction affects the implementation of disaster response recovery. (10 marks)
 4. a) Disaster risk reduction relies on a good communication system especially during emergencies. Explain with examples the attributes of a good emergency communication system. (10 marks)
b) Disaster risk reduction in Kenya is perceived to be fragmented and reactive rather than pro-active. Explain the challenges facing disaster risk reduction in Kenya. (10 marks)
 5. a) The participation of the community in planning and implementation of disaster strategies is key for risk reduction. Analyze clearly the benefits of community-based disaster risk reduction. (10 marks)
b) Citing relevant examples elaborate on the usefulness of traditional knowledge for disaster risk reduction. (10 marks)
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