

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**CHUKA AND EMBU CAMPUSES**

**FIRST YEAR EXAMINATION FOR THE AWARD OF CERTIFICATE IN DISASTER  
MANAGEMENT**

**DIMA 00113: THEORIES OF DISASTER MANAGEMENT**

**STREAMS: CERT. (DIMA) Y1S2**

**TIME: 2 HOURS**

**DAY/DATE: FRIDAY 17/04/2020**

**8.30 A.M. – 10.30 A.M.**

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**INSTRUCTIONS:**

- **Answer question ONE and any other TWO questions.**

1. (a) Define the following terms. (10 marks)
  - (i) Disaster
  - (ii) Disaster management
  - (iii) Natural hazards
  - (iv) Vulnerability
  - (v) Risk
- (b) Explain **three** forms of disaster management planning applied to enhance disaster preparedness. (10 marks)
- (c) State and explain **three** different ways of controlling chaos in disasters according to chaotic systems management theory. (10 marks)
2. (a) Contingency disaster management theory identifies executive perception of risk as diverse among different environments. State factors that contribute to different perceptions of risks and hazards among people. (10 marks)
- (b) Sustainable disaster management requires full understanding of three kinds of nonlinear systems according to system theory. With relevant examples of each identify this systems. (10 marks)

3. (a) Explain the possible contributions of system approach in disaster management. (10 marks)
  - (b) Discuss the contingency theory of disaster management. (10 marks)
  4. (a) Discuss **four** sub systems of disaster management systems as elaborated by system theory. (10 marks)
  - (b) According to contingency theory, populations are faced with different vulnerabilities. Discuss three categories of vulnerabilities. (10 marks)
  5. (a) Explain ways in which systems approach is applied today in disaster management. (10 marks)
  - (b) Discuss disaster crush model. (10 marks)
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