



## KENYATTA UNIVERSITY

### UNIVERSITY EXAMINATIONS 2009/2010

#### SECOND SEMESTER EXAMINATION FOR THE DEGREE OF MASTER OF ENVIRONMENTAL STUDIES (COMMUNITY DEVELOPMENT)

#### ECD 512: ENVIRONMENTAL RISKS AND DISASTER MANAGEMENT

**DATE:** Thursday 8<sup>th</sup> April, 2010

**TIME:** 2.00 p.m. – 5.00 p.m.

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#### **INSTRUCTIONS**

*Answer question ONE (compulsory) and any other THREE questions. Use well labeled illustrations and diagrams where necessary.*

1.     a)     Using past Kenyan examples distinguish between the following terms:
  - i.       Hazard
  - ii.      Disaster
  - iii.     Risk

[6 marks]
- b)     Using the now frequent oil tanker spillage on Kenyan highways, briefly describe the concept of “*acceptable risk*” outlining how communities living along such highways perceive them. 

[10 marks]
- c)     Disasters may become opportunities for initiating better development practices. Discuss briefly using Kenyan examples. 

[4 marks]
2.     Describe the Strategic Goals, Priorities for Action and their relevant key activities of the Hyogo Framework for Action 2005-2015. 

[15 marks]
3.     a)     Identify the key objectives of Kenya’s National Disaster Policy. 

[4 marks]
- b)     Explain and illustrate the Institutional Linkages framework in Disaster Management under the polity above. 

[6 marks]

- c) Is the Institutional Linkages framework adequate for the country's disaster management needs? If yes, why? If no, justify and how can it be improved? [5 marks]
4. Using the Nakumatt Supermarket Fire disaster, identify and describe the three phases of a Disaster Risk Management Framework. [15 marks]
5. Risk Assessment is considered as an "*imprecise science*". Discuss. [15 marks]
6. Your community is located on a flood-prone area where the Government intends to build dykes and dams to reduce flooding. As the District Disaster Manager what would be your position? [15 marks]

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