



# **The Co-operative University of Kenya**

## **END OF SEMESTER EXAMINATION DECEMBER-2016**

### **EXAMINATION FOR THE DEGREE OF BACHELOR OF DISASTER RISK REDUCTION AND SUSTAINABLE DEVELOPMENT** **UNIT CODE: CODM 2201**

#### **UNIT TITLE: NATURAL AND HUMAN MADE HAZARD AND DISASTERS**

**DATE:**

**TIME:**

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#### **INSTRUCTIONS:**

- Answer question **ONE (compulsory)** and any other **TWO** questions

#### **QUESTION ONE**

- (a) With the use of relevant examples, define the following term; (6 marks)
- Risk
  - Disaster preparedness
  - Hazard
- (b) With use of relevant examples, discuss the classification of disaster, based on causative factors (8 marks)
- (c) Describe the disaster management cycle of slow onset hazard (10 marks)

#### **QUESTION TWO**

- (a) Define the term drought (2 marks)
- (b) Discuss the different types of drought (4 marks)
- (c) Discuss the parameters of drought severity (4 marks)
- (d) Discuss the activities that may be undertaken in the phases of drought management (10 marks)
- Mitigation
  - Preparedness
  - Relief assistance
  - Recovery

#### **QUESTION THREE**

- (a) Define the term landslide (2 marks)
- (b) Discuss the factors contributing to vulnerability to landslides (8 marks)
- (c) It is estimated that property worth millions of Kenya shilling, including coffee and tea plantation and domestic animals have been destroyed by landslides in the last ten years in some parts of the central and Rift Valley Regions. Assume that you have been employed as a Disaster Reduction Office in those regions, discuss risk reduction measures that you would put in place to deal with the landslide hazard (10 marks)

#### **QUESTION FOUR**

- (a) Define the term earthquake (2 marks)
- (b) Discuss the factors causing vulnerability to landslides in Kenya (8 marks)
- (c) Discuss the main earthquake mitigation strategies (10 marks)

#### **QUESTION FIVE**

- (a) Discuss the response activities of slow and sudden onset disasters (20 marks)