



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
SCHOOL OF HEALTH SCIENCES**

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE  
PUBLIC HEALTH/ COMMUNITY HEALTH AND DEVELOPMENT**

**4<sup>th</sup> YEAR 2<sup>nd</sup> SEMESTER 2018/2019 ACADEMIC YEAR**

**KISII LEARNING CENTRE**

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**COURSE CODE: HCD 3426**

**COURSE TITLE: DISASTER PREPAREDNESS & MANAGEMENT**

**EXAM VENUE: STREAM: (BSc. P. Health / Comm Hlth & Dev)**

**DATE: 18/4/19 EXAM SESSION: 12.00 – 2.00PM**

**TIME: 2.00 HOURS**

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**Instructions:**

- 1. Answer all questions in section A and any other 2 questions in Section B**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

## SECTION A

Answer all questions in this section (30 marks)

### Question One

Give a brief description of the words event, hazard and vulnerability. What is the role of a Public Health Nurse in Disaster Recovery and Response. (5 Marks)

### Question Two

‘Any disaster can interrupt essential services, such as health care, socio and economic networks of local communities and countries’. Justify this statement as a health personnel working with communities in your area. (5 Marks)

### Question Three

What is disaster preparedness? Discuss the role of a disaster preparedness and management student before and after a fierce fire has struck a slum area in a town next to where he/she stay. (5 Marks)

### Question Four

What is the role of an institution such as a school/university in disaster management? Give the significance of community counseling sessions after a disaster. (5 Marks)

### Question Five

List at least a minimum of five events, five hazards and five natural hazards. Elaborate when epidemiological events actually become disasters to society. (5 Marks)

### Question Six

‘One of the most important steps you can take to prepare for emergencies is to develop a household disaster plan’. By giving five examples, discuss the pros and cons of taking such a step to mitigate on effects of an impending disaster. (5 Marks)

## SECTION B

Answer any two Questions (40 Marks). Essay questions 20 marks each

### Question Seven

- (i) Briefly describe how disaster preparedness is linked to community vulnerability and capacity assessment (VCA). (10 Marks)
- (ii) Illustrate how human-made hazards such as corruption may hold potential of becoming a disaster in an immediate or long-term period. (10 Marks)
- (iii)

### **Question Eight**

Elaborate on at least six major components of disaster preparedness and management in community development and sustainability. Briefly discuss why a hazard may be a disaster in one location but not in another. (20 Marks)

### **Question Nine**

- (i) What are the factors to be considered while planning the rebuilding works of an affected community after a major disaster due to flood/landslide? (5 Marks)
- (ii) By giving examples, discuss the concept of Hazard Identification and Vulnerability Assessment (HIVA) in disaster alleviation and mitigation. What are the benefits of Insurance in disaster prone areas? Give four concrete examples in your answer. (15 Marks)

### **Question Ten**

- (i) Using examples each clearly illustrate the differences that exist between natural and human made disasters. What is the significance of counseling in rehabilitation and reconstruction. (15 Marks)
- (ii) 'Disasters are enemies of sustainable development'. Briefly elaborate on this statement, with three examples. (5 Marks)