



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES
UNIVERSITY EXAMINATION FOR DEGREE OF BACHELOR OF SCIENCE
PUBLIC & COMMUNITY HEALTH AND DEVELOPMENT
3RD YEAR 2ND SEMESTER 2023/2024 ACADEMIC YEAR
MAIN/KISUMU

COURSE CODE: HCB 2410

**COURSE TITLE: DISASTER PREPAREDNESS AND
MANAGEMENT**

EXAM VENUE: STREAM: (BSc. Com Health and Dev)

DATE: EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer question ONE and any other THREE**
- 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.**

QUESTION ONE

(a) Define the following terms as used in Disaster Management:

- (i) Coping Capacity (2mks)
- (ii) Hazard (2mks)
- (iii) Disaster mitigation (2mks)
- (iv) Utilitarian rule (2mks)
- (v) Emergency management (2mks)

(b) Rehabilitation and Reconstruction form an integral unit of a Disaster recovery phase of Disaster management.

- (i) Differentiate Rehabilitation from Reconstruction. (2mks)
- (ii) Explain the challenges facing disaster recovery process in Kenya (8mks)

(c)

- (i) Describe two types of Disaster common in Kenya citing examples in each case. (4mks)
- (ii) How does these disaster cases undermine sustainable development in the Country? (6mks)

(d) Community involvement is a key element in every phase of Disaster management.

(i) Define Community Based Disaster Risk Management (2mks)

- (ii) Explain the benefits of community Based disaster Risk Management (8mks)

QUESTION TWO

Vulnerability is an essential element for defining disaster impact and its threats to people.

- (i) How and in what ways can vulnerability be characterized? (5mks)
- (ii) Discuss different types of Vulnerability with reference to disasters. (10mks)

QUESTION THREE

- (i) Explain some ethical issues in Disaster management (5mks)
- (ii) Describe non-structural approaches used in Disaster mitigation (10mks)

QUESTION FOUR

Understanding the interaction between risks, hazards and vulnerability is important in reducing the likelihood and impact of a disaster.

- (i) Define Hazard Identification and Vulnerability Assessment (HIVA). (2mks)
- (ii) Explain three ways of controlling Hazard in the environment. (6mks)
- (iii) Outline the methodology for conducting a Risk Assessment Process. (7mks)