



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)