



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH.

HEH 411: PUBLIC HEALTH ISSUES IN DISASTER MANAGEMENT

DATE: 4/12/2019

TIME: 2.00-4.00 PM

INSTRUCTIONS

This paper consists of two sections A and B

Section A is compulsory

Section B choose any two (2) questions

SECTION A: COMPULSORY

QUESTION ONE (30 MARKS)

- a) Define the following terminologies s applied in disaster management (3 marks)
 - i. Vulnerability
 - ii. Capacity
 - iii. Disaster Risk Management:
- b) Explain the effects of lack of clean water after a disaster (3 marks)
- c) Outline the three levels of disaster (3 marks)
- d) State the disruptive characteristics of a disaster (3 marks)
- e) Differentiate between disaster mitigation and disaster preparedness (3 marks)
- f) Outline the aspects of disaster risk reduction (3 marks)
- g) Highlight six (6) biological agents which may course disasters (3 marks)
- h) State the components of family emergency preparedness plan (3 marks)
- i) Identify three (3) levels of contamination (3 marks)

SECTION B:

Specific Instructions

- **This section has four (4) question**
- **Answer any two (2) questions**
- **Each question is 20 Marks**

QUESTION TWO (20 MARKS)

- a) Describe the variations of disaster and give relevant examples (10 marks)
- b) You are invited to give a talk on disaster to the people of Bundalangi community. Explain the aspects of disaster risk reduction Kenya (10 marks)

QUESTION THREE (20 MARKS)

- a) Discuss the broad objectives for National Disaster Risk Reduction (10 marks)
- b) North Eastern Kenya has been hit by a serious drought necessitating urgent response. In view of this, explain the public health issues related to droughts (10 marks)

QUESTION FOUR (20 MARKS)

- a) Describe the triage levels and their color coding during the rescue period after a disaster (10 marks)
- b) Giving appropriate examples, discuss the disaster management cycle (10 marks)

QUESTION FIVE (20 MARKS)

- a) You have been appointed the head of disaster management in Garisa County. The Red Cross society has invited you to give a talk on disaster planning. Discuss the components of a good disaster plan (10 marks)
- b) Describe the activities of the evacuation centers in disaster management (10 marks)