



MACHAKOS UNIVERSITY

University Examinations 2019/2020 Academic year

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FOURTH YEAR SPECIAL /SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE IN POPULATION HEALTH

HEH 411: PUBLIC HEALTH ISSUES IN DISASTER MANAGEMENT

DATE: 21/01/2021

TIME: 8.30-10.30 AM

INSTRUCTIONS

This paper consists of two sections A and B

SECTION A

SPECIFIC INSTRUCTIONS

- This section has one question
- This question is **COMPULSORY**
- The question is 30 marks

QUESTION ONE (30 MARKS)

- a) Define the following terminologies as applied in disaster management (3 marks)
- Disaster
 - Hazard
 - Risk
- b) Explain your aims in disaster management (3 marks)
- c) Outline any three priority areas of action in Sendai Framework for disaster (3 marks)
- d) Differentiate between natural and Man- made disaster and give an example of each (3 marks)
- e) Outline the purpose of disaster communication (3 marks)
- f) Explain the role of health professional in disaster management (3 marks)
- g) List the classification of relief supplies according to their categories (3 marks)
- h) Describe the health problems expected in all disasters (3 marks)
- i) State the objectives of National Disaster Risk Reduction (3 marks)

- j) Explain the effects of lack of clean water after a disaster (3 marks)

SECTION B:

Specific instructions

This section has four (4) questions

Answer any two (2) questions

Each question is 20 marks

QUESTION TWO (20 MARKS)

- a) Describe the aspects of disaster risk reduction. (10 marks)
- b) Describe the disaster management cycle. (10 marks)

QUESTION THREE (20 MARKS)

- a) You are the disaster manager of Murang'a County where landslides area common. Describe the general counter-measures you would use to prevent losses and damages caused by landslides (10 marks)
- b) Describe the basic principles used when dealing with humanitarian relief supplies (10 marks)

QUESTION FOUR (20 MARKS)

- a) In order to adequately manage a disaster, the disaster manager must make an assessment following a disaster. Discuss the initial rapid assessment (IRA) as performed after the occurrence of a disaster (10 marks)
- b) Using appropriate examples, describe the main levels of disaster (10 marks)

QUESTION FIVE (20 MARKS)

- a) In the current times the world is fight the corona virus epidemic.in view of this, describe the characteristics of an epidemic and the measures you would put in place to manage the epidemic (10 marks)
- b) Explain medical ethics and humanitarian law and their application during disaster response and recovery (10 marks)