



MACHAKOS UNIVERSITY

University Examinations for 2021/2022

SCHOOL OF HEALTH SCIENCES

DEPARTMENT OF PUBLIC AND COMMUNITY HEALTH

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE IN PUBLIC HEALTH.

HPH 405: DISASTER MANAGEMENT

DATE:

TIME:

INSTRUCTIONS:

This paper consists of two sections A and B

SECTION A

Specific Instructions

- This section has one question
- The question is compulsory
- The question is 30 marks

QUESTION ONE (30 MARKS)

- Outline the role of technology in disaster prediction, monitoring, mitigation and response. (3 marks)
- Highlight the various types of vulnerability as used in disaster management. (3 marks)
- Explain why trends of disasters increase over time. (3 marks)
- Identify the impacts of deforestation to agriculture and economy. (3 marks)
- Highlight life-threatening characteristics of floods. (3 marks)
- Explain the characteristics of an effective air disaster monitoring and control program (3 marks)
- Explain why gender issues are important in the disaster preparedness plans. (3 marks)
- Outline disaster mitigation strategies in tsunami prone regions. (3 marks)
- Explain the different ways of dealing with risk in disaster management. (3 marks)

- j) Outline the various types of resources necessary in the management of a cyclone 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) Discuss common disease exposures public health officers experience during disasters and strategies to address the same. (10 marks)
- b) You have just been hired as the manager of the disaster management unit in your County, key to your responsibilities is to develop disaster recovery plans in your county. Describe how you will develop the plan. (10 marks)

QUESTION THREE (20 MARKS)

- a) As a manager in-charge of disaster response, discuss the typical activities you would undertake during an emergency. (10 marks)
- b) Post analysis assessment in the aftermath of a disaster must be done to ascertain the impact of a disaster. Discuss how you would offer leadership in dissemination of your findings to various stakeholders.

QUESTION FOUR (20 MARKS)

- a) You have been tasked with the responsibility of developing an emergency operation plan for a disaster preparedness team. Describe the outline of your plan. (10 marks)
- b) Disaster and development are closely interlinked. Discuss. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Discuss the various disaster management frameworks in KENYA (10 marks)
- b) You have been appointed the head of disaster management in Tana river county. Explain the challenges you are likely to face in implementation of your disaster management plan. (10 marks)