

BOTSWANA COLLEGE OF DISTANCE AND OPEN LEARNING

CERTIFICATE IN DISASTER MANAGEMENT

INTRODUCTION TO DISASTER MANAGEMENT

ID 011

SESSIONAL EXAMINATION

Marks: 100

Duration: 3hours

Instructions to students:

1. The examination consists of **Four** sections: A, B, C and D.
2. Begin each answer to a new question on a new page.
3. Answer all the questions according to instructions given in each section.
4. Write answers in the answer booklet provided.
5. Write in grammatical English.



SECTION A: Multiple-choice questions. [10 Marks]

Answer all the questions by choosing the best answer from the alternatives given.

1. _____ is a situation generated by imminent occurrence of an event.
 - a. Risk
 - b. Hazard
 - c. Disaster
 - d. Emergency

2. _____ is the extent to which a community's structure, services or environment is damaged.
 - a. Vulnerability
 - b. Hazard
 - c. Emergency
 - d. Crisis

3. _____ is the potential for a natural or man-made event to occur with negative consequences.
 - a. Disaster
 - b. Hazard
 - c. Emergency
 - d. Crisis

4. Foot and mouth is classified as a _____ disaster.
 - a. Human and slow
 - b. Natural and sudden
 - c. Human and sudden
 - d. Natural and slow

5. At which phase should the emergency operational plan be published to the public?
- Recovery
 - Preparedness
 - Response
 - Mitigation
6. _____ is sending of money to pay for resources after a disaster.
- Response Mechanism
 - Emergency preparedness
 - Logistics readiness
 - Remittance
7. _____ is private or public assistance provided to a community who are temporarily suffering from the effects of a disaster.
- Relief
 - Recovery
 - Remittance
 - Humanitarian
8. _____ is the act of promoting welfare of humanity through elimination of pain and suffering.
- Response mechanism
 - Relief
 - Humanitarian
 - Logistics readiness

9. Restoration of infrastructure and services to its origin post disaster is _____.
- a. Reconstruction
 - b. Rehabilitation
 - c. Recovery
 - d. Security
10. _____ is defined as actions taken in reaction to a disaster.
- a. Mitigation
 - b. Preparedness
 - c. Response
 - d. Recovery

SECTION B: True/False questions. [10 Marks]

Indicate if the statement is True or False.

1. Advice given to a community on impending danger is done only during the preparedness phase.
2. Safety measures that provide a sense of protection against loss or harm are implemented in all phases of disaster management cycle.
3. Volunteers during the response phase always include the affected community.
4. Reconstruction refers to a community that has been restored after being impacted by a disaster.
5. Logistics during disasters involve procuring, maintaining, transporting material, personnel and facilities.
6. The scope of disasters does not involve influencing mutual aid agreements.
7. Short term recovery involves complete redevelopment of damaged areas.
8. Evacuation, early warnings and search and rescue are aimed at reducing the impact of a disaster on a community.
9. Modern methods can be influenced by traditional responses to a disaster.
10. Recovery measures are short term and long term based.



SECTION C: Short answer questions. [30 Marks]

Answer all questions in this section.

QUESTION 1

Briefly explain contributing factors to the following vulnerabilities:

- a. Poverty (2 marks)
- b. Rapid urbanization (2 marks)
- c. Environmental degradation (2 marks)

QUESTION 2

Map the following vulnerabilities to their characteristics. (4 marks)

Type of Vulnerability
Tangible
Abstract

Characteristic
Family and community relationships
Disruption of normal life
Loss of services
Disruption of normal life

QUESTION 3

Differentiate between the following terms:

- a. Disaster management and risk management. (2 marks)
- b. Structural mitigation and non-structural mitigation. (2 marks)
- c. Emergency preparedness and logistical readiness. (2 marks)
- d. Disaster risk reduction and emergency operational plan. (2 marks)

QUESTION 4

- a. Explain three (3) areas of concern in the policy framework for bilateral foreign aid.
(6 marks)
- b. With a relevant example, describe one (1) hazard Botswana has experienced.
(3 marks)
- c. With a relevant example, describe one (1) emergency South East District has experienced.
(3 marks)

SECTION D: Essay-type questions. [50 Marks]

Answer any two questions in this section.

QUESTION 1

- a. Draw a flow chart to illustrate a sequence of events for a disaster management cycle. **(5 marks)**
- b. Recommend alternatives for existing measures which can reduce foot and mouth impact in Botswana. **(20 marks)**

QUESTION 2

- a. Explain mitigation aspects of hazard identification and vulnerability analysis. **(10 marks)**
- b. Elaborate on any three (3) modern methods of response to hazards. **(15 marks)**

QUESTION 3

- a. Recommend activities that can be implemented under the following aspects in a recovery plan for Ebola.
 - i. Gathering information **(2 marks)**
 - ii. Organizing recovery **(2 marks)**
 - iii. Mobilizing resources **(2 marks)**
 - iv. Regulating recovery **(2 marks)**
 - v. Coordinating recovery activities **(2 marks)**
- b. Discuss any three (3) activities that can be implemented during the response phase. **(15 marks)**

END OF THE PAPER!