



CERTIFICATE
January-June

Sessional Examination
Disaster Associated and Health Issues 012

BOTSWANA OPEN UNIVERSITY
CERTIFICATE IN DISASTER MANAGEMENT
DISASTER ASSOCIATED AND HEALTH ISSUES

DH 012

Examination

Marks: 100

Duration - 3 hours

Instructions to students:

1. The assignment 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 in grammatical English.



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

1. _____ is an example of vector borne disease.
 - A. HIV/AIDS
 - B. Measles
 - C. Hepatitis A& B
 - D. Malaria

2. The following are tag colours used in a TRIAGE system except _____.
 - A. Blue
 - B. Red
 - C. Black
 - D. Green

3. _____ is a tertiary prevention measure.
 - A. Vaccination^x
 - B. Pharmaceuticals
 - C. Social re-integration
 - D. Oral rehydration salts^{x Sec}

4. The following are diseases associated with crowding except _____.
 - A. Measles
 - B. Lung Cancer
 - C. Meningitis
 - D. Acute Respiratory Infections (ARI)

5. The step essential in evaluating communicable disease in a community is _____.
- A. Human resource capacity evaluation
 - B. Disease surveillance
 - C. Evaluation of control measures implemented
 - D. Implementing new treatment for the re-infected population
6. Which of the following is not a water borne disease?
- A. Diarrhoeal Disease
 - B. Hepatitis A & B
 - C. HIV/AIDS
 - D. Leptospirosis
7. Which aspect would decrease the survival of critical victims in a Mass Causality Incident?
- A. Valuable resources
 - B. Poor communication
 - C. Little attention
 - D. Inadequate transportation
8. Which pathogenic agent spread Tuberculosis?
- A. Fungi
 - B. Virus
 - C. Bacteria
 - D. Parasites

Indicate if the statement is True or False

1. Patterns of communicable disease are similar in developing and developed countries.
2. Understanding the risks factors helps in preparation and prediction of communicable diseases.
3. Diarrhoeal diseases can occur following contamination of drinking water.
4. Social dislocation is avoided by treating casualties near their homes.
5. Colour coded tags on injured persons is considered by health professional on arrival at a hospital.
6. Disease control measures during a Mass Casualty Incident always include immunisation.
7. Health care worker can facilitate Triage during a Mass Casualty Incident.
8. Meningitis can be transmitted from one person to the other.
9. Understanding the risks factors helps in preparation and prediction of communicable diseases.
10. Social networks can be used to trace dislocated family members during a mass casualty incident.



SECTION C: Short answer questions.

[30 Marks]

Answer all questions in this section.

QUESTION 1

Assuming your country has just experienced floods, list any three (3) communicable diseases that would be prevalent. Describe its causes, signs, symptoms, and treatment in a tabular form

(6 marks)

Disease	Description/cause	Signs and symptoms	Treatment

QUESTION 2

a. Explain any three (3) curative action measures you would use for communicable diseases. *CHEMOPROPHYLLIA* *USE OF INTERVIEWS FOR RAPID ASSESSMENT* *IMMUNISATION* *HEALTH EDUCATION* *TESTS CARRIED OUT IN THE FIELD* (6 marks)

b. State any three (3) activities proposed to begin the process of health education in a community. (3 marks)

QUESTION 3

With relevant examples explain any of the following communicable diseases during disasters.

a) Water borne diseases. (3 marks)

b) Diseases associated with crowding. (3 marks)

c) Vector Borne diseases. (3 marks)



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QUESTION 4

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Compare the following curative actions:

- a) The use of interviews for rapid assessment of communicable diseases in emergencies and immunization. **(2 marks)**
- b) Tests carried out in the field and Chemoprophylaxis. **(2 marks)**
- c) Therapeutic and health education. **(2 marks)**



SECTION D: Essay-type questions.

[50 Marks]

Answer any two questions in this section.

QUESTION 1

- a) Explain how extreme climate increases vulnerability and transmission of communicable diseases. **(15 marks)**
- b) List ten (10) transportation procedures used in a mass casualty incident. **(10 marks)**

Sewer

QUESTION 2

Briefly explain the following key indicator of the Sphere project:

- a) Monitoring of communicable disease. **(10 marks)**
- b) Discuss five (5) risk factors contributing to the spread of communicable disease outbreak. **(15 marks)**
 - underlying nutritional status.
 - Deterioration of health services
 - epidemic & endemic diseases.
 - poor living conditions.
 - susceptible population

includes control

QUESTION 3

- a) With the aid of a diagram discuss the basic steps of meeting immediate health needs of victims in during floods. **(15 marks)**
- b) Discuss the transportation procedures used in a mass casualty incident. **(10 marks)**

END OF THE PAPER!