

**BOTSWANA COLLEGE OF DISTANCE AND OPEN LEARNING**

**CERTIFICATE IN DISASTER MANAGEMENT**

**DISASTER ASSOCIATED HEALTH ISSUES**

**DH 012**

**SESSIONAL EXAMINATION**

**Marks: 100**

**Duration: 3hours**

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**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. \_\_\_\_\_ are prevalent to a certain locality.
  - a. Endemic diseases
  - b. Epidemic diseases
  - c. Vaccine preventable diseases
  - d. Communicable diseases
  
2. \_\_\_\_\_ team is involved at the hazard area in a mass causality incident.
  - a. Triage
  - b. Tagging
  - c. Search and rescue
  - d. Evacuation
  
3. \_\_\_\_\_ team prioritises and sorts patients according to injuries in the medical post.
  - a. Tagging
  - b. Evacuation
  - c. Search and rescue
  - d. Triage
  
4. \_\_\_\_\_ team colour codes patients according to the injuries.
  - a. Search and rescue
  - b. Triage
  - c. Tagging
  - d. Evacuation

5. \_\_\_\_\_ is not a primary prevention measure.
- Nutritional rehabilitation
  - Basic hygiene
  - Sanitation
  - Immunization
6. \_\_\_\_\_ is a tertiary prevention measure.
- Vaccination
  - Pharmaceutics
  - Social re-integration
  - Oral rehydration salts
7. \_\_\_\_\_ is the first step in understanding the cycle of a communicable disease in a community.
- Carrying out field tests
  - Rapid assessment
  - Health education
  - Chemoprophylaxis
8. Which pathogenic agent spread Tuberculosis?
- Fungi
  - Virus
  - Bacteria
  - Parasites

9. 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
10. Diseases that can be prevented through provision of pre-medication are referred to as \_\_\_\_\_.
- a. Communicable
  - b. Endemic
  - c. Epidemic
  - d. Vaccine preventable



**SECTION B: True/False questions.**

**[10 Marks]**

**Indicate if the statement is True or False**

1. Public health measures include water, food and sanitation.
2. Disease control measures during a Mass Casualty Incident always include immunisation.
3. Health care worker can facilitate Triage during a Mass Casualty Incident.
4. Priority needs of patients during a triage are done to minimise mortality.
5. Emergency medical unit include police, ambulances, hospitals and fire fighters.
6. Tagging of patients during a mass casualty incident does not vary according to countries.
7. Social networks can be used to trace dislocated family members during a mass casualty incident.
8. Dislocation of population during disasters often allows the spread of communicable diseases.
9. Techniques used for prevention depend on the communicable disease found in the disaster areas.
10. Health education is restricted to communicable diseases during a disaster.

**SECTION C: Short answer questions.**

**[30 Marks]**

**Answer all questions in this section.**

**QUESTION 1**

State any five (5) transportation procedures implemented during evacuation. **(5 marks)**

**QUESTION 2**

With relevant examples, explain the following terms:

- a. Intervention at the source. **(2 marks)**
- b. Intervention to modify immunity. **(2 marks)**
- c. Intervention at the biological stage. **(2 marks)**
- d. Intervention at the aftermath of a disease. **(2 marks)**

**QUESTION 3**

Contrast between the following terms:

- a. Curative and preventative health services. **(2 marks)**
- b. Primary and secondary prevention. **(2 marks)**
- c. Endemic and epidemic diseases. **(2 marks)**
- d. Mass casualty incident and triage. **(2 marks)**

**QUESTION 4**

a) Explain any three (3) curative action measures you would use for communicable diseases.

**(6 marks)**

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

**(3 marks)**

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

**Answer any two questions in this section.**

**QUESTION 1**

Discuss five (5) risk factors contributing to the spread of communicable disease outbreak. **(25 marks)**

**QUESTION 2**

Discuss five (5) communicable diseases post disaster. **(25 marks)**

**QUESTION 3**

Discuss key indicators used to evaluate communicable disease programs in emergencies. **(25 marks)**

***END OF THE PAPER!***