



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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**MAIN EXAMINATION**

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**MAY – AUGUST 2021**

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**DEPARTMENT OF COMMUNITY HEALTH AND DEVELOPMENT**

**REGULAR PROGRAMME**

**CHD 128: COMMUNICABLE DISEASES AND CONTROL**

**Date: AUGUST 2021**

**Duration: 3 Hours**

**INSTRUCTIONS: Provided for in the sections**

## **SECTION A: Answer ALL questions (30 MARKS)**

- Q1. Define the following terms as used in communicable diseases and give one example in each. **(5 Marks)**
- a) Source of infection
  - b) Disease surveillance
  - c) Natural history of disease
  - d) Opportunistic infection
  - e) Primary prevention
- Q2. Explain, using appropriate example(s), the three concepts/main principles of communicable diseases control **(3 Marks)**
- Q3. Using an illustrative diagram, explain the three-disease determinant factors espoused in epidemiological triad (disease causation cycle) **(3 Marks)**

- Q4. State five main routes of communicable disease transmission and give one example of each. **(5 Marks)**
- Q5. List five key methods of communicable disease control in the context of disease prevention, and give one example of each method **(5 Marks)**
- Q6. Enumerate three characteristic clinical manifestations and three prevention measures for each of the following diseases
- a) Rabies **(3 Marks)**
  - b) Tetanus **(3 Marks)**
  - c) Pneumonia **(3 Marks)**

**SECTION B: Long Answer Questions (Question One is compulsory. Answer Any other ONE Question) (40 MARKS)**

- Q1. Describe poliomyelitis under the following sub headings
- a) Definition and etiology **(2 Marks)**
  - b) Incubation period and mode of transmission **(3 Marks)**
  - c) Occurrence and distribution **(3 Marks)**
  - d) Clinical manifestations **(3 Marks)**
  - e) Control and prevention **(3 Marks)**
  - f) Explain how you would apply the three main concepts/principles of communicable disease control in controlling Tuberculosis **(6 Marks)**
- Q2. Describe Yellow fever under the following sub headings
- a) Definition and etiology **(2 Marks)**
  - b) Incubation period and mode of transmission **(3 Marks)**
  - c) Epidemiology **(3 Marks)**
  - d) Clinical manifestations **(3 Marks)**

- e) Control and prevention **(3 Marks)**
- f) Reports indicate that incidence of Typhoid is increasing in your area of work. Briefly outline your plan of action of controlling this disease **(6 Marks)**

Q3. In your community health practice, a case of disease suspected to be cholera is brought to your attention by a local village elder. Discuss the action you will take in:

- a) Notifying and confirming the disease **(2 Marks)**
- b) Immediately containing and controlling the disease **(4 Marks)**
- c) Prevention of occurrence in future **(4 Marks)**
- d) Using an example of an endemic communicable disease familiar to you, briefly explain how you will design its control programme in terms of:
- i. Plan of action **(5 Marks)**
- ii. Implementation **(5 Marks)**

**\*END\***