



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
DIPLOMA IN COMMUNITY HEALTH PRACTICE
END OF MAY-AUGUST 2024 SEMESTER EXAMINATIONS**

UNIT CODE: DCHP 134

UNIT NAME: COMMUNICABLE DISEASES 2

DATE: FRIDAY 9TH AUGUST 2024

TIME: TWO HOURS

START: 9.00 AM **STOP:** 11.00 AM

INSTRUCTIONS

1. This exam is marked out of 60 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (20 Marks)
Section B: Long Answer Questions (40 Marks)
3. This exam shall take TWO Hours
4. All questions in Section A are compulsory and Answer any TWO questions in Section B

SECTION A: COMPULSORY (20 Marks)

Short Answer Questions

1. Define the following terms (4 Marks)
 - a) Health
 - b) Incubation period
 - c) Outbreak
 - d) Susceptible host
2. Differentiate between passive immunity and active immunity (2 Marks)
3. Highlight two roles of vectors in the transmission of communicable diseases (2 Marks)
4. Outline four signs and symptoms of Tuberculosis. (4marks)
5. Cholera infection is caused by a bacterium which is common in Kenya. Identify the infectious agent, the reservoir, the mode of transmission, the route of exit and the route of entry. (5 Marks)

SECTION B: ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

6. Communicable diseases are caused by infectious agents that can be transmitted to other people from an infected person, animal or a source in the environment
 - a) Describe the etiology, symptoms, transmission, prevention, and treatment of any bacterial sexually transmitted infection (STI) associated with ulcer formation (12 Marks)
 - b) Explain the challenges faced in eradicating this disease. (8 Marks)
7. Typhoid fever is a disease that manifests clinically with high fever and headache. Suppose Davido is infected with the infectious agent of typhoid fever, but he has no manifestations of the disease. He works in a cafe and among 20 people he served in one day, five got infected, but only three of these developed the disease. Among the three who developed typhoid fever, two recovered and one died.
From the given information:
 - a) Explain the likely modes of transmission? (4 Marks)
 - b) Explain which of the affected persons are active cases and which are carriers? (4 Marks)
 - c) Events that occur in the natural history of a communicable disease are grouped into four stages. Discuss how you will group the 20 people who were served in the cafe into the four stages of the natural history of a communicable disease? (12 Marks)
8. Prevention levels for monitoring and regulating parasitic and microbial diseases can be classified according to three levels of prevention.
 - a) Explain in detail these three levels of prevention. (16 marks)
 - b) Name four authorities/Institutions that are responsible for monitoring, regulating reporting and preventing the occurrence of infectious diseases. (4marks)