



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF COMMUNITY HEALTH
BACHELOR OF SCIENCE IN COMMUNITY HEALTH
END OF SEMESTER EXAM, APRIL 2024**

UNIT CODE: CHP 213

UNIT NAME: COMMUNICABLE DISEASES

Date: 12th April 2024

Time: 2 hours

Start: 4.30

Stop: 6.30 am

INSTRUCTIONS

1. This exam is marked out of 70 marks
2. This Examination comprises TWO Sections
Section A: Compulsory Question (30 Marks)
Section B: Long Answer Questions (40 Marks)
3. All questions in Section A are compulsory and Answer any TWO questions in Section

SECTION A: SHORT ANSWER QUESTIONS: COMPULSORY QUESTION (30 MARKS)

1. Differentiate between the following terms: infectivity and pathogenicity (4 Marks)
2. Highlight three secondary disease prevention measures (3 Marks)
3. Outline four factors contributing to the emergence of infectious diseases (4 Marks)
4. Highlight four classification of communicable diseases (4 Marks)
5. State four importance of communicable diseases in developing countries (4 Marks)
6. Outline three host characteristics which propagate infectious disease transmission (3 Marks)
7. Highlight four public health measures which can be taken to reduce disease agent transmission (4 Marks)
8. Identify four biological infectious agents (4 Marks)

SECTION B: LONG ANSWER QUESTIONS: ATTEMPT ANY TWO QUESTIONS (40MKS)

9. Air-borne diseases are a major threat to survival of human species. Using COVID 19 as a case study;
 - a) Discuss five factors that contribute to air-borne diseases occurrence as pandemics (10 Marks)
 - b) Discuss Tuberculosis disease highlighting on key aspects (10 Marks)
10. Carriers are infected people who harbor specific infectious agents in the absence of discernible clinical disease and serve as potential source of infection for others.
 - a) Explain five types of carriers (10 Marks)
 - b) For an agent to infect another person there has to be escape from the reservoir. There are five routes through which the infective agents can escape. Describe these routes. (10 Marks)
11. Communicable disease transmission follows a logical sequence of links of which are essential to the development of the infectious agent and propagation of disease.
 - a) Explain transmission of fecal-oral route disease (8 Marks)
 - b) Explain six components of chain of communicable disease transmission (12 Marks)