



AMREF INTERNATIONAL UNIVERSITY

SCHOOL OF PUBLIC HEALTH

DEPARTMENT OF COMMUNITY HEALTH

DIPLOMA IN COMMUNITY HEALTH

END OF SEMESTER EXAMINATION AUGUST 2026

UNIT CODE: DCH 122

UNIT NAME: COMMUNICABLE DISEASES I

DATE: 7TH AUGUST 2026

TIME: TWO HOURS START:11:30am FINISH:1:30 PM

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)

SECTION A: COMPULSORY

(20 Marks)

- 1) Healthcare service providers are at risk of acquiring infectious diseases at home and in a hospital setting. State **four** extrinsic determinants of disease (4marks)
- 2) Natural history of a disease is the course of a disease in an individual over time in the absence of any intervention. Identify **four** objectives of primary prevention of diseases (4marks)
- 3) A male client has been diagnosed with urinary tract infection. Outline **four** clinical manifestations of Urinary tract infections (4marks)
- 4) Communicable diseases contribute to high morbidity and mortality worldwide. Highlight **four** types of innate immunity (4marks)
- 5) Epidemiological information is used to plan and evaluate strategies to prevent diseases. State **four** criteria used to identify communicable diseases (4marks)

SECTION B

ANSWER ANY TWO (2) QUESTIONS

(40 Marks)

- 6) Cholera cases have continued to be reported in Kenya over the past years. The Ministry of Health is working closely with community health workers to control and prevent such outbreaks.
 - a) Discuss **four** possible risk factors for the emergence of a cholera outbreak. (10marks)
 - b) Describe **four** interventions as a healthcare provider that you will advocate for implementation to reduce cholera transmission in the community (10marks)
 - c) Discuss **two** components of the Epidemiological Triad (4marks)
- 7) The transmission of pathogens from current to future hosts follows a repeating cycle. This cycle is called the disease transmission cycle.
 - a) Discuss **six** elements in the chain of disease transmission (12marks)
 - b) Discuss **four** ways of breaking the natural cycle of disease transmission (8marks)
- 8) An epidemiologist currently working in Coastal Counties has been authorized to conduct disease screening on the suspected cases of Ebola Virus that is currently happening in the region.
 - a) Explain **five** factors to consider when planning for the disease screening exercise. (10 marks)
 - b) Describe **five** key health education messages you would include and justify their importance in disease prevention (8marks)