



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT
BACHELOR OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT AND
DEVELOPMENT
END OF SEMESTER EXAMINATION MAY-AUGUST 2026

HMD 211 Communicable and non Communicable diseases

TIME: Two Hours
Date : 7TH August 2026
TIME : Two (2) Hours Start---9 AM-----End...11AM.....

INSTRUCTIONS TO CANDIDATES

- 1) This exam is out of 70 marks
- 2) Section-A is compulsory with a Total of 30 Marks
- 3) Answer any TWO (2) questions in Section B

Read carefully the additional instructions preceding each section.

Section A

Q1. Differentiate between communicable and non-communicable diseases.(5Marks)

Q2. Outline five sources of diseases.(5Marks)

Q3. Highlight the importance of the incubation period in the prevention and control of communicable diseases.(5Marks)

Q4. Distinguish between Primary and tertiary prevention in reducing disease burden. (5Marks)

Q5 List three emerging and 2 re-emerging diseases in Africa .

Q6. Compare bacterial and viral diseases in terms of transmission, prevention, and treatment. (5Marks)

Section B

Q7

(a) Using two common diseases in Kenya one non communicable and another communicable to explain their epidemiological differences (10Marks)

(b) Evaluate the impact of non communicable and communicable i on healthcare systems in Kenya. (10Marks)

Q8

a) Explain the six distinct components that comprise the chain of infection.(9Marks)

b) Differentiate between direct and indirect modes of disease transmission, providing one clinical example for each. (6 Marks)

(c) Discuss two ways that epidemiological data regarding transmission pathways is utilized to design and implement two distinct infection prevention and control (IPC) strategies in a hospital setting([4 Marks).

Q9. Evaluate the effectiveness of following strategies in reducing the burden of diseases. Use relevant examples.

(a) Primary(8 Marks)

(b) Secondary(6 Marks)

, and

(c) Tertiary prevention strategies (46Marks)