



AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF PUBLIC HEALTH
DEPARTMENT OF HEALTH SYSTEMS
BACHELOR OF SCIENCE IN HEALTH SYSTEMS MANAGEMENT AND
DEVELOPMENT
END OF SEMESTER EXAMINATION AUGUST 2022

UNIT CODE: HMD 211 Communicable and non-communicable Diseases
DATE: 9 August, 2023
TIME: TWO Hours **Start: 4.15 PM Finish 6.15 PM**

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)

SECTION A: COMPULSORY (30 Marks)

Short Answer Questions

1. Explain the term **non-communicable diseases** (NCDs). (6marks)
2. Outline three common risk factors associated with non-communicable diseases. (6marks)
3. Explain the term cardiovascular disease and provide an example. (2 mark)
4. State two primary risk factors associated with type 2 diabetes. (2marks)
5. Highlight three non-communicable diseases that are linked to smoking. (3marks)
6. Define the hypertension (1 mark.)
7. Explain the term "vector" in the context of communicable diseases. (2 Marks)
8. Outline two common symptoms of influenza (the flu). (2marks)
9. State the causative agent of tuberculosis (TB). (2 marks)
10. Explain the concept of **herd immunity**. (2mark)
11. Highlight two sexually transmitted infection (STI) caused by a bacterium. (2mark)

SECTION B

ANSWER ANY TWO (2) QUESTIONS (40 Marks)

Long Answer Questions

12. Discuss the major five risk factors associated with non-communicable diseases (NCDs) and their impact on public health. (20Marks)
13. Critically analyse five social determinants of non-communicable diseases and their influence on health disparities. (20Marks)
14. Compare and contrast the modes of transmission of different communicable diseases and their implications for prevention and control. (20Marks)