



**AMREF INTERNATIONAL UNIVERSITY**  
**SCHOOL OF PUBLIC HEALTH**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**BACHELOR OF SCIENCE IN COMMUNITY HEALTH**  
**END OF SEMESTER EXAMINATION MAY - AUGUST 2024**

**UNIT CODE:** AIU 122  
**UNIT NAME:** HIV/AIDS EDUCATION  
**DATE:** August 2024  
**TIME:** TWO Hours

**Start:**

**Finish**

**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)**

1. Highlight how HIV progresses to AIDS (2 marks)
2. Define the following terms in the context of HIV/AIDS (2 marks)
  - a. Opportunistic infections
  - b. U = U
3. Outline 3 ways that HIV testing contributes to both prevention and treatment efforts (3 marks)
4. Highlight how VMMC protects against HIV infection (3 marks)
5. Outline the role of antiretroviral therapy (ART) in HIV management and prevention (3 marks)
6. State three reasons why people may fail to adhere to their anti-retroviral treatment (3 marks)
7. Outline the role of HIV prevalence data in public health monitoring and intervention planning (4 marks)

8. List 5 strategies that can be implemented to address stigma and discrimination surrounding HIV/AIDS (5 marks)
9. State five laws in Kenya that protect the rights of people living with HIV (5 marks)

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

10. You are a nurse working in a Maternal and Child Health (MCH) clinic. A 25-year-old female client is attending her first antenatal visit at 16 weeks pregnant. She has never been tested for HIV before.
  - a. Describe the key steps you would take to manage her care in the context of PMTCT (Prevention of Mother-to-Child Transmission) (10 marks).
  - b. Explain the rationale for each step you described above (10 marks).
11. Despite a reduction in HIV prevalence in Kenya, some regions continue to have very high rates of HIV-positive cases. The Kenyan government has initiated a program to implement Pre-Exposure Prophylaxis (PrEP) as part of a comprehensive strategy to curb the spread of HIV countrywide.
  - a. Explore factors that contribute to the success of PrEP adoption (5 marks)
  - b. Identify and discuss the key challenges in implementing PrEP (5 marks)
  - c. Analyze the role of community engagement and awareness campaigns in promoting the use of PrEP (10 marks).
12. An effective response to HIV/AIDS requires collaboration across various sectors. Evaluate the effectiveness of current multi-sectoral approaches and suggest potential improvements for Kenya's context (20 marks).