



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 SECOND SEMESTER EXAMINATION AUGUST 2026
AIU 122 HIV AND AIDS EDUCATION
MAIN EXAMINATION

TIME: Two Hours
Date: 3rd August 2026
TIME : Two (2) Hours Start---5:30 pm-----End...7:30 pm.....

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 SHORT ANSWER QUESTIONS 30 MARKS

1. State Four stages of HIV disease progression **4Marks**
2. Outline the UNAIDS 95-95-95 targets for HIV testing and treatment **3Marks**
3. State Three classes of Highly Active Antiretroviral Therapy (HAART) **6Marks**
4. Define natural immunity and two cells that participate in natural immune response **3Marks**
5. Explain Three ways in which HIV affects the immune system **3Marks**
6. Describe the relationship between HIV and sexually transmitted diseases (STDs) **5Marks**
7. Explain Six roles of voluntary counselling and Testing (VCT) centers **6Marks**

SECTION B LONG ANSWER QUESTIONS: ANSWER ANY TWO QUESTIONS 40 MARKS

1. Human immune virus (HIV) belongs to a group of viruses known as retroviruses
 - a. Describe the structure of the HIV virus **10Marks**
 - b. Explain the steps involved in the HIV life cycle **10Marks**
2. The Kenya AIDS Strategic Framework identifies adolescents and young people as a priority population for the HIV response.
 - a. Explain Five factors that influence gender disparity in HIV/AIDS infection **5Marks**
 - b. Describe Five ways in which drug abuse contribute to the spread of HIV/AIDS **10Marks**
 - c. Explain Five ways in which gender issues in HIV/AIDS can be addressed **5Marks**
3. A 28-year-old pregnant woman attends an antenatal clinic for her first visit. She is diagnosed with HIV infection during routine screening. The healthcare team counsels her on the importance of maintaining a balanced diet and adhering to interventions aimed at preventing transmission of HIV to her baby. As a community health practitioner, you are required to provide health education and support to the client.
 - a. Explain Five important aspects of nutrition in HIV/AIDS management **10 Marks**
 - b. Analyze Five roles of prevention of Mother- to- Child Transmission (PMCT) programs in prevention of HIV/AIDS **10 Marks**