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**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR**  
**FIRST YEAR, SECOND SEMESTER EXAMINATION**  
**FOR THE DEGREE OF BACHELOR OF SCIENCE**  
**(BUSINESS ADMINISTRATION)**

Date: 29<sup>th</sup> July, 2022  
Time: 11.30am – 1.30pm

**KGS 100 - HIV AND AIDS**

**INSTRUCTIONS TO CANDIDATES**

**ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

**QUESTIONS ONE (30MARKS)**

**HIV/AIDS THE THREAT**

HIV is the human immunodeficiency virus that causes AIDS. A member of a group of viruses called retroviruses, HIV infects human cells and uses the energy and nutrients provided by those cells to grow and reproduce. AIDS (acquired immunodeficiency syndrome) is a disease in which the body's immune system breaks down and is unable to fight off certain infections, known as "opportunistic infections," and other illnesses that take advantage of a weakened immune. When a person is infected with HIV, the virus enters the body and lives and destroys primarily the white blood cells. These are the immune cells that normally protect us from disease. The hallmark of HIV infection is the progressive loss of life. Most of people do not know they carry HIV and may be spreading the virus to others. In America and other parts nearly over a million people have HIV infection or AIDS. In Kenya alone, **youths aged 15 to 24 years contribute to forty percent (40% of the infections), about 87% are new infections daily.** This is a worrying trend, to serious responsible individuals, parents, The government, and non-governmental organizations. It is estimated that half of all people with HIV in the U.S. have not been tested and do not know their HIV status, this another worrying challenge.

Since the beginning of the epidemic, AIDS has killed more than 30 million people worldwide, this has led to other grievous effects. AIDS has replaced malaria and tuberculosis as the world's deadliest infectious disease among adults and is the fourth leading cause of death worldwide. It is worrying and a serious trend that, over 13 million children have been orphaned and the old adults remain struggling to take care of them after struggling to take care of their own children. A person who is HIV-infected carries the virus in certain body fluids, including blood, semen, vaginal secretions, and breast milk. The virus can be transmitted only if such HIV-infected fluids enter the bloodstream of another person. This kind of direct entry can occur (1) through the linings of the vagina, rectum, mouth, and the opening at the tip of the penis; (2) through intravenous injection with a syringe; or (3) through a break in the skin, such as a cut or sore.

The sure way to prevent HIV Infections are, abstain, be faithful, de stigmatization, non discrimination early testing before any sexual intimacy. These are easy said than done, due to other challenges especially among the youths.

Use the above essay to answer the questions below.

- a) *“Some ways of HIV prevention are easy said than done.”* Basing on the above essay, Analyze some challenges that make it difficult to contain HIV/AIDS pandemic. (6 marks)
- b) Examine the biological process of HIV infection from the essay. (6 marks)
- c) Justify, HIV/AIDS control is an individual self-responsibility. (6 marks)
- d) *“This is serious trend”*, has been stressed twice by the writer of the essay, Explain why the writer is so much concerned of HIV/AIDS pandemic. (6 marks)
- e) Demonstrate how Statistics can be effective strategy used against HIV/AIDS, infection. (6 marks)

### **QUESTIONS TWO (20MARKS)**

- a) The government plays a key role to protect the life of the citizen. Analyze the International policies and rights that the government of Kenya has put in place to minimize HIV infection rates. (7 marks)
- b) Discuss how lack of comprehensive sexual education affects the efforts towards HIV/AIDS control. (7marks)
- c) Determine support mechanism that can be offered at home towards HIV/AIDS client. (6 marks)

### **QUESTIONS THREE (20MARKS)**

- a) Explain the values the youth should actualize to reduce the challenges on HIV/AIDS Pandemic. (7 marks)
- b) Basing on your own experience, discuss how poverty contributes to HIV infections in your village. (7 marks)
- c) As a student explain in details the impacts of HIV/AIDS pandemic to the nation. (6 marks)

### **QUESTIONS FOUR(20MARKS)**

- a) Explain the biological challenges of HIV infection. (7 marks)
- b) Examine why the ethical methods remains, the best option for HIV/AIDS prevention. (7 marks)
- c) Discuss the health and safety measures a parent should take to protect the family against public health risks. (6 marks)

### **QUESTIONS FIVE (20 MARKS)**

- a) Counselling plays a key role in HIV testing, Examine in details its importance. (7 marks)
- b) Contrast Post Exposure Prophylaxis and Pre-Exposure Prophylaxis. (7 marks)
- c) General health today is a major concern, Discuss how Kiriri Women’s University can contribute towards public Health. (6 marks)