



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH AND
DEVELOPMENT AND LINUS ENGINEERING.**

KISUMU CAMPUS

COURSE CODE: HDC 2112/SBI 2114/DDC 2113

COURSE TITLE: HIV AND AIDS

EXAM VENUE:

DATE 30/4/19

EXAM SESSION: 9.00 – 10.30AM

TIME: 1 ½ HOURS

Instructions:

- 1. Answer all questions in section A and any other 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room**

SECTION A: (30 MARKS)

1. State **three (3)** goals of Antiretroviral Therapy (ART) in a patient with HIV infection (3marks)
2. State **three (3)** commonest causes of condom failure in the prevention of HIV transmission (3marks)
3. Explain **four (4)** benefits of reducing mother-to-child transmission (MTCT) of HIV (4marks)
4. State **two (2)** benefits of STI control in the management of HIV epidemic (2marks)
5. Explain **three (3)** factors by which prolonged breastfeeding beyond six months and early introduction of other feeds can predispose an infant to HIV infection (3marks)
6. Outline **three (3)** ways by which health professionals and paramedics are at risk of HIV infection in the course of their duty (3marks)
7. State **four (4)** reactions a patient may display if he realizes that he is HIV positive (4marks)
8. State **four (4)** ways by which HIV counseling and testing can promote behavior change (4marks)
9. State **two (2)** actions a hospital administration can take if an employee who is exposed to HIV is not willing to be HIV tested (2marks)
10. Name **two (2)** comprehensive packages of HIV prevention that can be combined with Voluntary Medical Male Circumcision (VMMC) (2marks)

SECTION B. (30 MARKS)

1. Explain how political and cultural considerations of VMMC influence HIV transmission (**15 marks**)
2. Explain the aims of counseling of a patient with HIV/AIDS disease (**15 marks**)
3. Describe the most significant factors in the mother which may contribute to increasing an infant's exposure or susceptibility to acquiring HIV (**15 marks**)
4. Outline the rationale for initiating home-based-care for people living with HIV/AIDS (PLWHA) (**15 marks**)