



**JARAMOGI OGINGA ODINGA UNIVERSITY
OF SCIENCE & TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013
1ST YEAR 1ST SEMESTER EXAMINATION FOR THE
DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT
(BUSIA LEARNING CENTRE)**

COURSE CODE: HDC 2112

COURSE TITLE: HIV & AIDS

DATE: 14/8/2013

TIME: 9.00-10.30 AM

DURATION: 1.30 HOURS

INSTRUCTIONS

- 1. This paper consists of two sections A and B.**
- 2. Answer Question 1 (Compulsory) and any other 2 questions.**
- 3. Write your answers on the answer booklet provided.**

Section A: Answer ALL questions in this section (30 marks)

1. State the meaning of the word AIDS. **(3 Marks)**
2. State the most common mode of HIV transmission in Kenya. **(3 marks)**
3. Outline **three** risk factors for mother to child transmission of HIV. **(3 Marks)**
4. State any **three** structural/biological components/parts of the HIV virus. **(3 marks)**
5. State **three** factors fuelling the spread of HIV in Africa. **(3 marks)**
6. List **three** types of opportunistic infections which are common in HIV positive patients. **(3 marks)**
7. Describe what you understand by the term “**highly active antiretroviral therapy.**” **(3 marks)**
8. List any **three** clinical conditions associated with HIV WHO stage 3. **(3 marks)**
9. State any **three** myths/misconceptions associated with HIV infection in Kenya. **(3 marks)**
10. State any **three** side effects of protease inhibitors. **(3 marks)**

Section B: Answer ANY TWO questions from this section (30 MARKS)

1. Discuss the **seven** steps of the lifecycle of HIV virus. **(15 marks)**
2. Discuss anti-retroviral drugs under the following subheadings.
 - a. Classification and mechanism of action. **(6 marks)**
 - b. Criteria for initiation of treatment. **(3 marks)**
 - c. Side effects of each class of anti-retroviral drugs. **(6 marks)**
3. Outline in detail the comprehensive care and support of a patient with HIV/AIDS under the following subheadings;
 - a. Physical care. **(4 marks)**
 - b. Social Care. **(3 marks)**
 - c. Psychological/emotional care. **(3 marks)**
 - d. Spiritual care. **(2 marks)**
 - e. Home based care. **(3 marks)**
4. Discuss prevention of HIV infection under the following subheadings.
 - a. Prevention of sexual transmission. **(5 marks)**
 - b. Prevention of transmission through blood transfusion/blood handling. **(3 marks)**
 - c. Prevention of mother to child transmission. **(4 marks)**
 - d. Prevention through care of contaminated implements. **(3 marks)**