



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2012/2013

**1ST YEAR 1ST SEMESTER EXAMINATIONS FOR THE DEGREE OF BACHELOR OF
SCIENCE IN COMMUNITY HEALTH AND DEVELOPMENT & BACHELOR OF
SCIENCE IN PUBLIC HEALTH**

(KISUMU LEARNING CENTRE)

COURSE CODE: HCD 3112

COURSE TITLE: HIV and AIDS

DATE: 17/4/2013 TIME: 11.00-1.00PM

DURATION: 2 HOURS

INSTRUCTIONS

1. This paper contains TWO sections.
2. Answer ALL questions in section A (Compulsory) and ANY other Two questions in section B.
3. Write all answers in the booklet provided.

Section A

1. List the five levels in which human body is organized 3 Mks
2. Explain briefly the two pathways of lymphatic cell development 3 Mks
3. Explain the role played by the enzyme Reverse Transcriptase in the replication process of an HIV 3 Mks
4. Explain the contribution of poverty to the spread of HIV/AIDS 3 Mks
5. State characteristics of HIV I in terms of distribution, virulence and subgroups 3 Mks
6. List at least six (6) top Opportunistic diseases in Kenya 3 Mks
7. Briefly describe the surface marker of a lymphocyte 3 Mks
8. What does the abbreviation “CD 4” stands for? 3 Mks
9. Describe the structural components of the outer coat (surface envelope) of an HIV particle 3 Mks
10. Differentiate between HIV and AIDS 3 Mks

Section B answer any two 2 Questions

1. Human Immunodeficiency Virus is among the leading causes of deaths in Kenya
 - a. List then briefly explain at least four (4) aspects of socioeconomic factors which can help to reduce the spread of HIV in Nyanza Province – Kenya (each 2 marks) 8 Mks
 - b. How is HIV/AIDS stage two (II) diagnosed using the WHO staging 4 Mks
 - c. Explain the Kenya national strategies to reduce the spread of HIV 8 Mks
2. List then explain the five (5) ARV action points then indicate at least two (2) drugs in each stage 20Mks
3. Explain at least ten ways that ensure adherence in taking ARVs 20Mks
4. Explain how you will conduct a successful peer education in HIV/AIDS 20Mks