



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR THE DEGREE COMMUNITY HEALTH AND**  
**DEVELOPMENT/ PUBLIC HEALTH**  
**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2015/2016 ACADEMIC YEAR**  
**MAIN CAMPUS - RESIT**

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**COURSE CODE: HCD 3112**

**COURSE TITLE: HIV and AIDS**

**EXAM VENUE: LAB 1**

**DATE: 04/05/16**

**EXAM SESSION: 2.00 – 4.00 PM**

**TIME: 2 HOURS**

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**Instructions:**

- 1. Answer question 1( compulsory) and ANY other 2 questions**
- 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)**

**Answer ALL questions in this section**

1. State THREE reasons that make women be more vulnerable than men to HIV infection through unprotected sex (3mks)
2. Explain TWO types of immunity in human being (3mks)
3. State THREE cultural practices that fuel the spread of HIV in Kenya (3mks)
4. Explain THREE strategies used to ensure safety in blood transfusion in Kenya as per recommendation of WHO (3mks)
5. Explain the relationship between HIV/AIDS and STD/STI (3mks)
6. State THREE disorders of the immune system (3mks)
7. Explain any THREE types of HIV Test (3mks)
8. HIV-1 differs greatly with HIV-2 to what extent do you agree with this (3mks)
9. Enumerate any THREE contribution of nutrition to spread of HIV and AIDS (3mks)
10. (i) Distinguish between roles of ovaries and testes (2mks)  
(ii) State the roles of enzymes in HIV Virus (1mk)

## **SECTION B (40 marks)**

**Answer ANY two questions in this section.**

1. (a) Roles played by female reproductive system and male reproductive system are very different. Give FIVE reasons that support this statement (5mks)  
(b) Discuss 5 roles of nutrition in the management of HIV/AIDS (15mks)
2. Discuss the natural history of HIV according to WHO staging (20mks)
3. (a) Discuss five(5) contributory factors to the spread of HIV and AIDs in Africa. (15mks)  
(b) Explain the routes of HIV transmission (5mks)
4. (a) Discuss FIVE reasons for conducting counseling to HIV infected clients (15mks)  
(b) Explain any TWO female reproductive parts adapted to its functions (1mk)