



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**  
**SCHOOL OF HEALTH SCIENCES**  
**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE**  
**PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT**  
**1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER 2024/2025 ACADEMIC YEAR**  
**MAIN CAMPUS**

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**COURSE CODE:** HCB 1103/HPB 3114

**COURSE TITLE:** HEALTH AND WELL BEING

**EXAM VENUE:** STREAM: BSc Public/ Comm. Hlth & Dev

**DATE:** EXAM SESSION:

**TIME: 2.00 HOURS**

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**Instructions:**

- 1. Answer all the questions in Section A and 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) ANSWER ALL QUESTIONS**

1. Describe Asymptomatic infection in HIV (3 Marks)
2. Distinguish between asymptomatic and symptomatic infection in HIV (3 Marks)
3. Explain the effect of stigma in prevention of HIV (3 Marks)
4. List THREE HIV prevention measures (3 Marks)
5. At what stage is an HIV infected person described as having AIDs (3 Marks)
6. HIV is an epidemic that transcends borders. Explain. (3 Marks)
7. Distinguish between an antibody and an antigen (3 Marks)
8. Explain how compromised immunity leaves a person susceptible to diseases (3 Marks)
9. HIV is incurable not treatable. Explain (3 Marks).
10. Explain how education aids the treatment and prevention of HIV (3 Marks)

**SECTION B. ANSWER 2 QUESTIONS (40 MARKS)**

1. a, Describe the life cycle of the HIV virus in the human body (10 Marks)  
b. Describe how the body's immune system helps fight disease (10 Marks)
2. Adherence to treatment is the difference between life and death in HIV infection. Explain the merits and demerits of adherence (20 Marks)
3. Statistics indicate high prevalence of HIV amongst young people in your community. Explain FIVE ways in which new incidences can be prevented or reduced.