



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR DEGREE OF BSC IN COMMUNITY HEALTH
AND DEVELOPMENT AND PUBLIC HEALTH**

YEAR ONE - SEMESTER ONE_ JAN-APRIL 2019 KISUMU CAMPUS

COURSE CODE: HCD 3112

COURSE TITLE: HIV and AIDS

EXAM VENUE: STREAM

DATE: 23/4/19 EXAM SESSION: 12.00 – 2.00PM

TIME: 2 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: ANSWER ALL QUESTIONS (30 MARKS)

1. Differentiate between innate and acquired immunity (4 marks)
2. Define the following terms (6 marks)
 - i) Peer education
 - ii) Opportunistic infections
 - iii) Sexually Transmitted Infections
3. State the challenges facing the development of HIV vaccine (2 marks)
4. State the basic immunization schedule that Kenya gives to children under one year (2 marks)
5. State the steps taken in HIV counselling and testing services (3 marks)
6. List the stages of HIV life cycle (3.5 marks)
7. State the HIV counselling and testing settings in Kenya (2 marks)
8. State the other conditions included in the standard care for PLHIV (2 marks)
9. Differentiate between PITC and CITC (2 marks)
10. State the national HIV prevalence according to KAIS 2012 report (1.5 marks)
11. State the year in which HIV was declared a national disaster and the paper used to communicate the same (2 marks)

SECTION B-ESSAY QUESTIONS ANSWER ANY TWO QUESTIONS (40 MARKS)

1. Discuss the following factors and how they contribute to spread of HIV and AIDS (5 marks each)
 - i) Ignorance
 - ii) Poverty
 - iii) Illiteracy
 - iv) Tribal conflicts and civil wars
2. A) Discuss the following principles of ethics in the care and management of HIV and AIDS. (10 marks)
 - i) Autonomy
 - ii) Beneficence
 - iii) Non-maleficence
 - iv) Justice
 - v) Fidelity
- B) Discuss the role of nutrition in the management of HIV and AIDS (10 marks)
3. i) Define and state the goal of ART (4 marks)
 - ii) Discuss the standard care of People Living with HIV and AIDS (16 marks)
4. You are in charge of a health facility and you realize there is increased prevalence and new cases of HIV.
 - i) Differentiate between incidence and prevalence (2 marks)
 - ii) You desire to see the prevalence reduce and clients take up HIV services at the facility. Discuss the steps you will take to achieve this (18 marks)