



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
SCHOOL OF HEALTH SCIENCES**

UNIVERSITY EXAMINATION FOR DEGREE IN COMMUNITY HEALTH AND DEVELOPMENT

1ST YEAR 1ST SEMESTER 2018/2019 ACADEMIC YEAR

KISII CAMPUS

COURSE CODE: HCD 3112

COURSE TITLE: HIV/ AIDS

EXAM VENUE: STREAM: (Degree Comm Hlth & Dev)

DATE: EXAM SESSION:

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**

SECTION ONE

1. Describe the SIX diagnostic investigations for HIV/AIDS (3 MARKS)
2. Describe the life cycle of the HIV/ AIDS virus (3MARKS)
3. Explain the THREE reasons for ARV therapy resistance. (3MARKS)
4. Describe the THREE principles on initiation of ARV treatment (3MARKS)
5. Describe the THREE characteristics of HIV virus infected cell (3MARKS)
6. Explain THREE reactions of the HIV virus to physical and chemical agents (3 MARKS)
7. List the THREE most likely modes of transmission of HIV/ AIDS (3 MARKS)
8. Explain THREE strategies to assist families affected with HIV/AIDS to provide home based care (3 MARKS)
9. Describe any THREE classes of antiviral agents with their mechanism of action. (3 MARKS)
10. Describe the pathophysiology of the HIV/ AIDS virus (3 MARKS)

SECTION TWO

1. Discuss the epidemiology of HIV/ AIDS. (20 MARKS)
2. Discuss the overall responsibility of PLWHAS during home based care. (20 MARKS)
3. Discuss the effects of HIV/AIDS to the health sector, education and economy of Kenya. (20 MARKS)
4. Discuss the primary strategies in the prevention of HIV/AIDS epidemic. (20 MARKS)
5. With the aid of a diagram explain the anatomy and physiology of the HIV virus. (20 MARKS)

