



**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE BACHELOR OF SCIENCE
DEGREE**

**1ST YEAR 1ST SEMESTER
(APRIL 2016)**

MAIN CAMPUS

COURSE CODE : HCD 3112 / SBI 3114 / PH 111

COURSE TITLE : HIV AND AIDS

EXAM VENUE :

**STREAM : BED ARTS/ BSc/ BA.ECO AND
BA.SUPPLIES**

TIME : 2.00 HOURS

DATE :

INSTRUCTION

- 1. Answer ALL questions in section A carrying 30 marks and ANY other 2 questions in section B carrying 20 marks each.**
- 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)

1. State three evidences that show that HIV is the causative agent of AIDS. **(3 marks)**
2. State three theories that attempt to explain the origin of HIV and AIDS. **(3 marks)**
3. Distinguish between adaptive immunity and passive immunity. **(3mks)**
4. State three ways in which HIV – 1 differ from HIV – 2. **(3 marks)**
5. Explain the contribution of nutrition to the spread of HIV/AIDS. **(3mks)**
6. Five (5) ARV action points and drug at each stage. **(5 marks)**
7. Explain any three strategies used for ensuring safety in blood transfusion to prevent HIV as envisaged by WHO program. **(3 marks)**
8. a) State the goals of ART. **(1 marks)**
b) State two roles of HIV enzymes. **(2marks)**
9. Name and state the roles of four enzymes in the HIV virus. **(4 marks)**

SECTION B (40 MARKS)

1. a) Discuss five reasons for conducting counseling to HIV infected clients **(10mrks)**
b) Two factors that make women to be more vulnerable in unprotective sex. **(10mks)**
2. Explain the Replication of HIV virus. **(20 marks)**
3. Discuss five methods which may be employed by Kenyans to be AIDS free Nation. **(20 marks)**
4. a) Explain any five factors that contribute to the spread of HIV and AIDS in Kenya. **(10mks)**
b) Discuss 10 roles of nutrition in the management of HIV/AIDS **(10 marks)**