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**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)**

1. a) State the goals of ART.  **(1 marks)**

b) State two roles of HIV enzymes.  **(2marks)**

1. 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)**

1. Explain the Replication of HIV virus.  **(20 marks)**
2. Discuss five methods which may be employed by Kenyans to be AIDS free Nation. **(20 marks)**
3. a) Explain any five factors that contribute to the spread of HIV and AIDS in Kenya.**(10mks)**
4. Discuss 10 roles of nutrition in the management of HIV/AIDS **(10 marks)**