CHUKA **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN (BIOCHEMISTRY, BIOLOGY, PHYSICS, COMPUTER SCIENCE, APPLIED COMPUTER SCIENCE, PSYCHOLOGY) BACHELOR OF CO-OPERATIVE MANAGEMENT, BACHELOR OF PROCUREMENT AND LOGISTICS MANAGEMENT, BACHELOR OF COMMERCE, BACHELOR OF EDUCATION, BACHELOR OF CRIMINOLOGY & SECURITY STUDIES, BACHELOR OF COMMUNITY DEVELOPLMENT, BACHELOR OF AGRIBUSINESS MANAGEMENT AND BACHELOR OF BIOMEDICAL SCIENCES

ZOOL 143: HIV/AIDS AND LIFE SKILLS

STREAMS: **TIME: 2 HOURS**

DAY/DATE: FRIDAY 8/12/2017 **8.30 A.M - 10.30 A.M.**

INSTRUCTIONS:
- **Answer ALL the questions in Section A and any ONE in Section B**

SECTION A: [50 MARKS]
1. Distinguish between the following terms;
   (a) Window period and incubation period. [2 Marks]
   (b) Innate and acquired immunity. [2 Marks]
   (c) Prevalence and incidence [2 Marks]

2. (a)Explain briefly the models of HIV/AIDS. [4 Marks]
   (b) Discuss the impact of HIV on education in Kenya. [3 Marks]

3. Explain briefly three theories of origin of HIV. [6 Marks]

4. Classify the following diseases according to the causative agent;
   (a) Candidiasis [1 Mark]
   (b) Schistosomiasis [1 Mark]
   (c) Gonorrhea [1 Mark]
   (d) Hepatitis [1 Mark]

5. Explain the relationship between HIV/AIDS and;
   (a) Malaria [2 Marks]
   (b) Drug abuse [2 Marks]
   (c) STDs [2 Marks]

6. Describe briefly five factors that contribute to HIV/AIDS stigma.   [5 Marks]

7. Outline the phases of HIV infection.   [5 Marks]
8. (i) Explain how the following factors lead to faster progression of HIV to AIDS;
    (a) Age   [2 Marks]
    (b) Mode of transmission   [2 Marks]

    (ii) State four factors that have contributed to the high prevalence of HIV/AIDS in Africa.
                [2 Marks]

9. Explain the stages of HIV counseling.   [5 Marks]

SECTION B [20 MARKS]
10. (a) Illustrate the structure of HIV   [4 Marks]
    (b) Describe the lifecycle of HIV   [16 Marks]

11. "The infection rate for HIV is higher in women than men". Discuss this statement.
                [20 Marks]
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