

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA & EMBU

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR  
OF EDUCATION IN EARLY CHILDHOOD EDUCATION AND COMMUNITY  
DEVELOPMENT

ZOOL 143/105: BIOLOGY OF HIV/AIDS AND SOCIETY

STREAMS: BED (ECDE, CDEV)

TIME: 2 HOURS

DAY/DATE: FRIDAY 07/12/2018

2.30 P.M. – 4.30 P.M.

**INSTRUCTIONS: Answer all questions in section A and any two in section B**

**SECTION A (30 MARKS)**

1. Distinguish between the following terms
  - (i) HIV and AIDS [2 marks]
  - (ii) Disease prevalence and disease incidence [2 marks]
  - (iii) Biomedical model and traditional African model [2 marks]
2. (a) Classify the following diseases according to the causative agent
  - (i) Schistosomiasis [1 mark]
  - (ii) Syphilis [1 mark]
  - (iii) Candidiasis [1 mark](b) Explain briefly how HIV damages the immune system [2 marks]
3. (a) State four factors that have contribution to high prevalence of HIV/AIDS in Africa [4 marks]
- (b) Explain the cut hunter theory of origin of HIV [2 marks]
4. (a) Explain the impact of HIV on the education sector [2 marks]
- (b) Outline two HIV transmission myths and facts [2 marks]

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5. (a) Explain how the following practices fuel the spread of HIV/AIDS
- (i) Polygamy [1 mark]
  - (ii) Drug use [1 mark]
- (b) State 2 disadvantages of disclosure counseling [2 marks]
6. (a) Explain briefly 4 social culture factors that make infection rate of HIV higher in women than in men [4 marks]
- (b) Illustrate the structure of HIV [3 marks]
- (c) Describe how the following factors lead to faster progression of HIV to AIDS
- (i) Age [1 mark]
  - (ii) Viral load [1 mark]

**SECTION B (40 MARKS)**

7. Discuss the various modes of HIV transmission and preventive strategies [20 marks]
8. Discuss the roles of the government and faith based organization in the fight against HIV [20 marks]
9. (a) Describe the objective and components of home based care [12 marks]
- (b) Discuss the principles of positive living [8 marks]
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