

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

CHUKA AND EMBU CAMPUSES

**EXAMINATION FOR THE AWARD OF CERTIFICATE IN ANIMAL HEALTH,
BUSINESS MANAGEMENT AND CRIMINOLOGY STUDIES, PROCUREMENT AND
LOGISTICS MANAGEMENT, LEADERSHIP AND PUBLIC ADMINISTRATION**

COMS 00110/ ZOOL 00143: HIV/AIDS AND LIFESKILLS

STREAMS:

TIME: 2 HOURS

DAY/DATE: THURSDAY 12/04/2018

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- **Answer all the questions in section A and any two in section B.**

SECTION A 30 MARKS

1. Distinguish between the following terms
 - (a) HIV and AIDS (2 marks)
 - (b) Disease prevalence and disease incidence (2 marks)
 - (c) Disease epidemic and disease epidemiology (2 marks)
2.
 - (a) State 3 reasons why it is important to learn about HIV/AIDS (3 marks)
 - (b) Name the causative agents of the following diseases
 - (i) Gonorrhoea (1 mark)
 - (ii) Hepatitis B (1 mark)
 - (iii) Candidiasis (1 mark)
 - (iv) Malaria (1 mark)

3. (a) State 4 general complications of STDs (4 marks)
- (b) Illustrate the structure of HIV (3 marks)
4. (a) State the functions of the following HIV enzymes.
- (i) Protease (1 mark)
- (ii) Reverse transcriptase (1 mark)
- (iii) Integrase (1 mark)
- (b) Outline four (4) phases of HIV infection (2 marks)
5. (a) Explain briefly how HIV damages the immune system. (2 marks)
- (b) Explain how the following factors fuel the spread of HIV
- (i) Drug abuse (1 mark)
- (ii) Circumcision (1 mark)
- (c) State two (2) advantages of disclosure. (1 mark)

SECTION B 40 MARKS

6. Explain the factors that lead to faster progression of HIV to AIDS (20 marks)
7. Discuss various modes of transmission of HIV and their preventive strategies. (20 marks)
8. All the continents are affected by HIV, but Africa is the most affected. Discuss this statement. (20 marks)
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