



**EMBU UNIVERSITY COLLEGE**  
**(A CONSTITUENT COLLEGE OF THE UNIVERSITY OF NAIROBI)**

**TRIMESTER EXAMINATIONS 2013/2014**

**FIRST YEAR EXAMINATION FOR THE DEGREE OF BACHELOR OF COMMERCE**

**CCS 010: HIV AND AIDS**

**DATE: AUGUST 6, 2014**

**TIME: 2.00 – 4.00PM**

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**INSTRUCTIONS:**

**Answer Question ONE and ANY Other TWO Questions.**

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**QUESTION ONE**

- a) Write brief notes on the following:
- i.) Definition of gender (1 mark)
  - ii.) Sex and gender (2 marks)
  - iii.) Gender roles (2 marks)
  - iv.) Outline ways in which gender and exposure to HIV/AIDS may occur (1 mark)
- b) i) Outline the three components of population change (3 marks)
- ii) Give the formulae of growth equation and illustrate the meaning of abbreviations (3 marks)
- c) i) Distinguish between infectious and contagious diseases (3 marks)

- ii) State three gender based models of sexual intercourse (3 marks)
- d) i) Name six (6) blood products (3 marks)
- ii) State six (6) benefits of Antiretroviral therapy (3 marks)
- e) Study the table below and answer the questions that follow:

Kenya's situation in 2007	With AIDS	Without AIDS
e(0) -Males	46	57
e(0) -Females	52	65
Population growth rate	1.78	2.39

- i.) State the meaning of the symbol e(0) (1 mark)
- ii.) Describe how the table translates in your locality (1 mark)
- iii.) Do you think there is a reduction in life expectancy and the absolute number of People in the locality (1 mark)
- iv.) Using information in the table above justify that HIV/AIDS is a national disaster that needs to be addressed by everyone (1 mark)
- v.) State your contribution about the issue in question (1 mark)
- vi.) State two impacts of HIV/AIDS on that population (1 mark)

### QUESTION TWO

- a) Describe any four (4) major methods of HIV transmission (8 marks)
- b) Explain the biological risk factors associated with sexual transmission route (12 marks)

### **QUESTION THREE**

Explain the various considerations that are important when prescribing ART to patients

(20 marks)

### **QUESTION FOUR**

- a) Briefly describe the biology and natural history of HIV and AIDS (5 marks)
- b) Distinguish between HIV-1 and HIV-2 (5 marks)
- c) Explain the interaction between the immune system and HIV (10 marks)

### **QUESTION FIVE**

- a) Outline any six (6) general symptoms of HIV and AIDS (6 marks)
- b) Describe HIV/AIDS under the following headings
  - i.) Gastrointestinal (3 marks)
  - ii.) Skin and hair (3 marks)
  - iii.) Central nervous system (3 marks)
  - iv.) Chest (3 marks)
  - v.) Genitalia (2 marks)

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