



**BONDO UNIVERSITY COLLEGE
UNIVERSITY EXAMINATIONS 2012/2013
FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE
DEGREE OF BACHELOR OF SCIENCE COMMUNITY HEALTH
AND DEVELOPMENT AND PUBLIC HEALTH**

BUC

COURSE CODE: HCD 3112

TITLE:

DATE: 10/12/2012

TIME: 12.00-14.00PM

DURATION: 1.5 HOURS

INSTRUCTIONS

- 1. This paper contains TWO sections**
- 2. Answer ALL questions in section A (Compulsory) and ANY other Two questions form section B**
- 3. Write all answers in the booklet provided**

SECTION A: This section has 10 questions. Each question is three marks. Please answer **ALL** the questions in this section.

1. What is the immune system?
2. Mention any six organs of the immune system
3. What are antigens?
4. What are antibodies?
5. Describe:
 - a) The B cells
 - b) T helper cells
 - c) T killer cells
- 6 Describe stages of HIV infection and the development of AIDS.
- 7 What are HIV opportunistic infections?
- 8 List any six examples of HIV opportunistic infections.

SECTION B: This section contains FOUR questions. Each question is 20 marks. Please answer ANY TWO questions from this section.

1. Explain why the HIV virus is capable of damaging the human immune system
2. With reference to the health sector, discuss why HIV/AIDS has been considered a national disaster in Kenya
3. Discuss HIV/AIDS prevention intervention strategies to stop new infections among the women and new born.
4. With reference to the period between 1984 and 1997, discuss the factors that influenced the spread of HIV and AIDS in Kenya.