

**2<sup>nd</sup> SEM. 2006/2007**



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**UNIVERSITY OF SWAZILAND**

**FINAL EXAMINATION PAPER**

**PROGRAMME : BACHELOR OF SCIENCE IN HOME  
ECONOMICS AND HOME  
ECONOMICS EDUCATION YEAR V**

**COURSE CODE : FRHD 503**

**TITLE OF PAPER : POPULATION STUDIES AND  
HEALTH**

**TIME ALLOWED : TWO (2) HOURS**

**INSTRUCTIONS : ANSWER QUESTION ONE (1)  
AND ANY OTHER (2) QUESTIONS**

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GRANTED BY THE CHIEF INVIGILATOR**

**QUESTION 1 (COMPULSORY)**

Current figures indicate that Swaziland and Botswana have two of the world's highest HIV/AIDS prevalence rates.

In both countries close to 40% of ante-natal clinic attendees are HIV positive. The highest infection rates are among women in their early twenties and men in their forties.

Assuming all else remains the same (i.e., infection pattern continues, there is no cure, no significant behaviour change etc); discuss the possible effects of this pattern on:

- |    |   |            |
|----|---|------------|
| a) | Age-sex composition   | [6 marks]  |
| b) | Pattern of age-specific mortality rates in the next decade. | [8 marks]  |
| c) | Population momentum   | [4 marks]  |
| d) | Cohort fertility rates                                      | [6 marks]  |
| e) | Demographic transition of the country                       | [6 marks]  |
| f) | Health challenges for the nation                            | [10 marks] |

**[Total marks = 40]**

**QUESTION 2**

Mortality rates have been decreasing because of great strides in the fight against infectious diseases. However, malaria has joined Tuberculosis and HIV and AIDS as the top three major health concerns for the developing world.

- a. Explain why we should worry about malaria. [15 marks]
- b. Discuss the signs, symptoms, prevention and treatment of malaria. [15 marks]

**[Total marks = 30]**

**QUESTION 3**

- a) Distinguish between the various measures of infant mortality rate. Explain the differences and usefulness of these different indicators. [15 marks]
- b) Unlike mortality, fertility poses several problems in its measurement. Identify and explain any five of these problems. [15 marks]

**[Total marks = 30]**

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**QUESTION 4**

Write an essay on “The HIV/AIDS and Development nexus”

**[Total marks = 30]**