



**AMREF INTERNATIONAL UNIVERSITY**  
**UNIVERSITY EXAMINATIONS SEPTEMBER 2024**  
**SCHOOL OF PUBLIC HEALTH**  
**FIRST YEAR SEMESTER ONE/ TWO EXAMINATION**  
**DEPARTMENT OF COMMUNITY HEALTH**  
**MASTER OF PUBLIC HEALTH**

**MAP 719:** Applied Demography  
**DATE:** 14<sup>th</sup> Wednesday, 2024  
**TIME:** 3 Hours      **Start:** 5.00pm      **Finish:** 8.00pm

**INSTRUCTIONS**

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory Question (25 marks)  
**Section B:** Long Answer Questions (75 marks)
3. All questions in Section A are compulsory and Answer any THREE questions in Section B
4. This online exam shall take 3 Hours
5. Ensure your web-camera is always on and directly positioned to capture you during the examination period
6. The AMIU VAS-Exams System has inbuilt integrity checks to detect and record cheating activities during examinations
7. Any aspect of cheating detected during and or after the exam administration will lead to disciplinary and nullification of your results
8. In case you have any clarification on the examination questions, call Dr Josephat Nyagero on Tel +254722301689, or the Head of Department on Tel +25472073449 and/ or The VAS Administrator on +254733682489 on system related challenges
9. For adverse incidences please write an email to: [amiu.examinations@amref.ac.ke](mailto:amiu.examinations@amref.ac.ke) with copy to the HoD

## **COMPULSORY**

### **Question 1**

- a) Describe fertility as a concept and outline its relevance to public health **(6 marks)**
- b) Using examples, explain the main sources of demographic data in most developing countries **(7 marks)**
- c) Explain the relationship in the measurement of perinatal mortality, neonatal mortality and infant mortality **(6 marks)**
- d) Outline the public health implications of an influx of young men into the cities of Africa **(6 marks)**

## **ANSWER ANY THREE (3) QUESTIONS**

### **Question 2**

Using appropriate examples, discuss the rationale of applied demography in the understanding of public health concerns of a country **(25 marks)**

### **Question 3**

Discuss the mortality trends for Sub-Saharan Africa and using a country of choice amplify the lessons learnt from the selected pathways that the government has utilized to address the problem **(25 marks)**

### **Question 4**

'The future of Family Planning in Sub-Saharan Africa is shaky' Discuss this statement in light of the global developments the contemporary world **(25 marks)**

### **Question 5**

You are the Director of Reproductive Health in your region. Describe how you would formulate a population policy at reducing rural – urban migration in your region of jurisdiction **(25 marks)**



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## **COMPULSORY**

### **Question 1**

- a) Describe mortality as a concept and outline its relevance in a public health (6 marks)
- b) Using examples, explain the main demographic data errors prevalent in most developing countries and outline how each would be minimized (7 marks)
- c) Explain the relationship in the measurement of Total Fertility Rate, Gross Reproduction Rate, and Net Reproduction Rate (6 marks)
- d) Outline the public health consequences of rural – urban migration at places of origin (6 marks)

## **ANSWER ANY THREE (3) QUESTIONS**

### **Question 2**

Using appropriate examples, discuss the demographic correlates of health status of a population system or country within the African region (25 marks)

### **Question 3**

Discuss the fertility trends of a country in the African region and demonstrate its impact on the health and development status of its populations (25 marks)

### **Question 5**

‘The future of Family Planning in Sub-Saharan Africa is shaky’ Discuss (25 marks)

### **Question 6**

Using a country of choice in Africa, discuss the Demographic Transition Theory and demonstrate its relevance to the understanding of the country’s population trends and patterns (25 marks)