



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF PUBLIC HEALTH  
DEPARTMENT OF COMMUNITY HEALTH  
MASTERS IN PUBLIC HEALTH  
END OF MAY-AUGUST 2024 SEMESTER EXAMINATIONS**

**UNIT CODE:** MAP 719

**UNIT NAME:** APPLIED DEMOGRAPHY

**DATE:** WEDNESDAY 14<sup>TH</sup> AUGUST 2024

**TIME:** THREE HOURS

**START:** 5.00 PM                      **STOP:** 8.00PM

**INSTRUCTIONS**

1. This exam is marked out of 100 marks
2. This Examination comprises TWO Sections  
**Section A:** Compulsory 25 Marks  
**Section B:** Answer THREE questions 75 Marks
3. This online exam shall take THREE Hours
4. Late submission of the answers will not be accepted
5. Ensure your web-camera is on at all times during the examination period
6. No movement is allowed during the examination
7. Idling of your machine for 5 min or more will lead to lock out from the exam
8. The Virtual Assessment System (VAS) has inbuilt integrity checks to detect cheating
9. Any aspect of cheating detected during and or after the exam administration will lead to nullification of your exam
10. In case you have any questions call the Unit Lecturer Dr. Josephat Nyagero +254722301689 or the Head of Department Dr. Faith Muhonja +254723742370
11. For adverse incidences please write an email to: [amiu.examinations@amref.ac.ke](mailto:amiu.examinations@amref.ac.ke)

## **SECTION A: COMPULSORY (25 MARKS)**

### **Question 1**

- a) Describe fecundity as a concept and outline its linkage to our understanding of fertility in a public health lens (6 marks)
- b) Using examples explain the main types of errors observed in the demographic data of most developing countries and suggest how they can be avoided (7 marks)
- c) Explain the relationship between Total Fertility Rate, Gross Fertility Rate, Net Fertility Rate and Replacement Level Fertility within the African context (6 marks)
- d) Outline the pull migration factors towards an urban setting and highlight 4 associated health consequences (6 marks)

## **ANSWER ANY THREE (3) QUESTIONS ONLY (75 MARKS)**

### **Question 2**

Using a country that you are familiar with, discuss its fertility patterns and associated impact on the health and development (25 marks)

### **Question 3**

Discuss the infant mortality trend for Sub-Saharan Africa and using a country of choice demonstrate the various pathways the government has adopted in addressing the problem (25 marks)

### **Question 4**

'The development of urban centers in sub-Saharan Africa is the development of informal settlements, symbolizing poor health and development indicators' Discuss (25 marks)

### **Question 5**

You are the Regional Reproductive Health Director. Describe the process you would adopt in formulating an anti-natalist population policy for the region and propose at least four key strategies you will consider for inclusion in the policy (25 marks)