



AMREF INTERNATIONAL UNIVERSITY
UNIVERSITY EXAMINATIONS APRIL 2026
SCHOOL OF PUBLIC HEALTH
SEMESTER ONE EXAMINATION
DEPARTMENT OF COMMUNITY HEALTH
MASTER OF PUBLIC HEALTH

MAP 719: Applied Demography
DATE: xxxxxxxx, 2026
TIME: 3 Hours **Start:** 5.00pm **Finish:** 8.00pm

INSTRUCTIONS

1. This exam is marked out of 100 marks
2. The first question is compulsory
3. Answer an additional three (3) questions from the other five (5)
4. The exam shall take 3 hours

COMPULSORY

Question 1

- a) Describe nuptiality as a concept and outline its role in the understanding of population dynamics in Africa **(6 marks)**
- b) Using examples, explain the status of vital registration as a source of demographic data in Africa **(7 marks)**
- c) Discuss the characteristics of the three distinct population pyramids and outline the emerging associated health needs **(6 marks)**
- d) Describe Total Fertility Rate as a cohort measure of fertility and outline its limitations **(6 marks)**

ANSWER ANY THREE (3) QUESTIONS

Question 2

Using a Sub-group population in a country of your choice, discuss:

- a) the sub-group's morbidity and mortality patterns over time **(7 marks)**
- b) the group's main causes of death **(6 marks)**
- c) the key pathways previously used to address the group's health status **(7 marks)**
- d) the suggestions on how to address the group's health issues **(5 marks)**

Question 3

Discuss the fertility trend of a country that you are familiar with, and develop a strategy on how best to address its unmet family planning need which is noted to be significant **(25 marks)**

Question 4

'Sub-Saharan Africa has experienced a significant increase in life expectancy over the past two decades, with the rise being the highest than in any other region of the world.' Discuss the key drivers leading to this situation and suggest how governments and actors in health should address the development **(25 marks)**

Question 5

Using appropriate examples, discuss the public health implications at the place of destination after an influx due to rural – urban migration **(25 marks)**