

90



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

(Main CAMPUS)

**UNIVERSITY EXAMINATIONS
2023/2024 ACADEMIC YEAR**

SECOND YEAR FIRST SEMESTER EXAMINATIONS

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN EPIDEMIOLOGY
AND BIostatISTICS & BSc. COMMUNITY HEALTH AND
DEVELOPMENT**

COURSE CODE: HEM 217/HCD 314

COURSE TITLE: POPULATION AND HEALTH DEMOGRAPHY

DATE: 6/12/2023

TIME: 8.00-10.00 AM

INSTRUCTIONS:

- 1. This paper consists of two sections (Section A and Section B)**
- 2. Answer ALL the questions in section A and any TWO questions in section B**

MMUST observes ZERO tolerance to examination cheating

This Paper Consists of 2 Printed Pages. Please Turn Over

SECTION A (40 MARKS) ANSWER ALL QUESTIONS IN THIS SECTION

1. Define the following terms as used in population health (5 marks)
 - a) Demographic data
 - b) Population
 - c) Neonatal mortality
 - d) Reproductive ratio

 2. Outline eight uses of demographic data [4 Marks]
 3. Differentiate between infant mortality and neonate mortality [4 Marks]
 4. Describe at least five factors that influence population growth [4 Marks]
 5. Using a diagram illustrate and explain the population structure of Kenya and Germany [4 Marks]
 6. State any four demographic variables that have great impact on the survival of infants and young children [4 Marks]
 7. Highlight at least five reasons that makes pregnant women vulnerable [4 Marks]
 8. Name ANY FOUR (4) socio-economic factors affecting fertility [4 Marks]
 9. Identify eight key measures of fertility in demography [4 Marks]
 10. Differentiate between health insurance and health care workers protection [4 Marks]
- SECTION B: ANSWER TWO QUESTIONS (QUESTION 1 IS COMPULSORY)**

1. Discuss the causes and consequences of migration [15 marks]
2. Use Mosley and Chen Model (1984) to describe the Determinants of Mortality Change [15 Marks]

3. Using a diagram, explain the role of demographic transition in population studies. [15 Marks]