



AMREF INTERNATIONAL UNIVERSITY

SCHOOL OF PUBLIC HEALTH

DEPARTMENT OF HEALTH SYSTEMS MANAGEMENT AND DEVELOPMENT

BACHELOR OF SCIENCE IN HEALTH RECORDS AND

INFORMATIONMANAGEMENT

END OF SEMESTER EXAMINATION MAY-AUGUST 2026

HRI 101: FUNDAMENTALS OF DEMOGRAPHY

MAIN EXAM

Date : 10th AUGUST 2026.....

TIME : Two (2) Hours Start-----5:30 PM-----End...7:30 PM...

INSTRUCTIONS TO CANDIDATES

- 1) This exam is out of 70 marks
- 2) Section-A is compulsory with a Total of 30 Marks
- 3) Answer any TWO (2) questions in Section B

Read carefully the additional instructions preceding each section.

SECTION A: SHORT ANSWER QUESTIONS 30 marks

1. What is the meaning of the terms (8marks)
 - a. Demographic Transition Theory
 - b. Demographic Balancing Equation
 - c. Define life expectancy
 - d. Natural increase in a population growth.
2. Differentiate between a population census and a sample survey. (2 marks)
3. State two common demographic indicators used in population studies. (2 marks)
7. Outline three stages of the Demographic Transition Theory. (3 marks)
8. Mention three causes of migration in African countries. (3 marks)

9. What are the three effects of rapid population growth on healthcare services? (3 marks)
10. Identify three roles of educational facilities in implementing population policies.
(3marks)
11. List three advantages of using sample surveys in demographic research. (3 marks)
12. State three demographic factors that influence disease patterns in a community. (3 marks)

SECTION B: ESSAY QUESTIONS (40 MARKS)

ANSWER ANY TWO QUESTIONS.

Question One (20 Marks)

- A. Describe the stages of the Demographic Transition Theory and explain how each stage influences population growth and healthcare planning (10 marks)
- B. Using relevant examples from African countries, explain the Demographic Balancing Equation and discuss its importance in population studies (10 marks)

Question Two

- A. Discuss the role of service providers in implementing population policies with reference to:
 - i. Health facilities **2 marks**
 - ii. Educational facilities **2 marks**
 - iii. Housing **2 marks**
 - iv. Employment opportunities **2 marks**
 - v. Food allocation **2 marks**
- B. Examine the causes and effects of migration patterns on population dynamics and healthcare service delivery in African countries **(10 marks)**

Question Three

- A. Compare and contrast sample surveys and population censuses as methods of collecting demographic data **(10 marks)**
- B. Discuss the impact of demographic dynamics on hygiene, health, and disease patterns in a rapidly growing population **(10 marks)**