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JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

UNIVERSITY EXAMINATIONS 2023/2024

**EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE IN EPIDEMIOLOGY
AND BIostatISTICS, GLOBAL HEALTH, PUBLIC HEALTH**

PGH 3100: DEMOGRAPHY AND POPULATION HEALTH

DATE: AUGUST 2023

TIME: 2 HOURS

INSTRUCTIONS: ANSWER ANY FIVE QUESTIONS

1. a. Describe the types and sources of data in Demography. (15 marks)
b. Differentiate between active and dependable population. (10 marks)
2. Interpret the Kenyan Socio-Demographic and Economic data shown in the table below population. (25 marks)

Demographic factors		
Gender	Female	558(61.4%)
	Male	351(38.6%)
Age	18-29	252(27.7%)
	30-49	495(54.5%)
	>50	162(17.8%)
Marital status	Single	288(31.7%)
	Married	549(60.4%)
	Others	72(7.9%)
Education Level	College degree	567(62.4%)
	Postgraduate degree	234(25.7%)
	Others	108(11.9%)
Employment Status	Employed	585(4.4%)
	Unemployed	198(21.8%)
	Student	126(13.9%)

3. Explain the causes and consequences of changing demographic structure of the world and its impact on Kenya. (25 marks)
4. Discuss the factors that influence migration and its long term impact on society. (25 marks)

5. Describe components of a life table highlighting its application and classifications. (25 marks)
6. a. Using illustration, describe the four types of population pyramid. (15 marks)
- b. It is observed from any pyramid including the global population pyramid that females live much longer than their male cohorts. Discuss the factors that account for such an observation. (10 marks)