CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF DEGREE OF BACHELORS OF SCIENCE IN HEALTH RECORDS AND INFORMATION MANAGEMENT

HRIM 123: FUNDAMENTALS OF DEMOGRAPHY

STREAMS: **TIME:2 HOURS**

DAY/DATE: THURSDAY 13/04/2023   **11.30 A.M. –1.30 P.M.**

INSTRUCTIONS:
SECTION A: Answer All Questions
SECTION B : Choose Any two Question

SECTION A 30 MARKS

1. Define the following Terms as used in Demography   (5 marks)

     a) Demography

     b) Age Sex Structure

     c) Birth rate

     d) Population

     e) Fecundity

2. State at least FIVE uses of Demographic information   (5 marks)

3. Differentiate between De-facto and De-jure   (5 marks)

4. Explain the sources of Demographic data   (5 marks)

5. Explain what is meant by Dependency Ratio and give their age structure   (5 marks)

6. Differentiate between Age Heaping and Age Shifting   (5 Marks)

SECTION B 40 MARKS

9. Describe the Demographic Transition Theory   (15 marks)

   b. Explain characteristics in a population   (5 marks)

10. Using the below information in **table 1**, calculate to one decimal place

a) A.S.F.R for all age groups   (5 marks)

b) Total Fertility Rate   (5 marks)

c) Crude Birth Rate   (5 marks)

d) Discuss your results   (5 marks)

The following table relates to number of women and births that had occurred at least 12 months before a survey was carried out in 1979 in Kenya. Midyear population was 76,398,000.

Table 1. Birth Rates

Age group	Women	Births	ASFR/1000
15-19	3,777,000	756,900	
20-24	3,101,000	1,046,000	
25-29	2,636,000	819,000	
30-34	2,161,000	565,000	
35-39	1,793,000	353,000	
40-44	1,484,000	141,000	
45-49	1,222,000	16,500	
TOTAL			

11. Using the below information in table 2, calculate

   a) MASFR for all age groups   (10 marks)

   b) MFR   (5 marks)

   c) Discuss your results   (5 marks)

Table 2 Age specific Birth rates

Age group	Legitimate Birth	Married women	MASFR
15-19	24221	53400	
20-24	152778	795200	
25-29	100150	1257100	
30-34	55182	1420300	
35-39	22504	1110200	
40-44	5230	101130	
45-49	500	1030500	
Total			