# BACHELOR OF HEALTH RECORDS AND INFORMATION MANAGEMENT 

## HRIM 123: FUNDAMENTALS OF DEMOGRAPHY

DATE: JAN/APRIL 2023
TIME: 2 HRS
MAIN EXAM

## 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 mks )
a) Demography
b) Age Sex Structure
c) Birth rate
d) Depopulation
e) Fecundity
2. State at least FIVE uses of Demographic information (5mks)
3. Differentiate between De-facto and De-jure (5mks)
4. Explain the sources of Demographic data (5mks)
5. Explain what is meant by Dependency Ratio and give their age structure
6. Differentiate between Age Heaping and Age Shifting (5 Marks)

## SECTION B 40 MARKS

9. Describe the Demographic Transition Theory
b. Explain characteristics in a population
10. Using the below information in table 1, calculate to one decimal place
a) A.S.F.R for all age groups
b) Total Fertility Rate
c) Crude Birth Rate
d) Discuss your results
(5mks)
(5mks)
(5mks)

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 mks )
b) MFR ( 5 mks )
c) Discuss your results ( 5 mks )

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 |  |  |  |

