

**CHUKA UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN**  
**HEALTH RECORDS AND INFORMATION MANAGEMENT**

**HRIM 123: FUNDAMENTALS OF DEMOGRAPHY**

**STREAMS: BSC HIRM Y1S2**

**DATE: MARCH 2021**

**TIME: 2 HOURS**

**INSTRUCTIONS:**

- **There are two sections in this paper.**
- **Answer 4 (four) questions total.**
- **Answer questions 1 and 2 from SECTION A, Answer question three and any other one question from SECTION B.**
- **Start every question on a new page**

**SECTION A**

**QUESTION ONE (20 MARKS)**

- a. Define demography in respect to size, distribution, structure and change (5 marks)
- b. Define General Fertility Rate and illustrate how it is calculated (5 marks)
- c. With the aid of examples, distinguish between push and pull factors (5 Marks)
- d. State 5 uses of Demographic data (5 Marks)

**QUESTION TWO (20 MARKS)**

- a. State factors that influence change in a population (5 Marks)
- b. Calculate and interpret the sex ratio in a class with 84 males and 80 females (5 marks)
- c. Differentiate De-Facto from De-Jure (5 Marks)
- d. In a sub county, there were 151, 326 people at the beginning of a year. Births that occurred during the year were 40, 963. Deaths that occurred during the said year were 15, 608 and the Migration in was 3,619 and the Migration out was 974. Using the information above, calculate the population at the end of the year. (5 Marks)

**SECTION B Answer question three and any other one question**

**QUESTION THREE (15 MARKS)**

The following data refers to an age specific births of women in a Kenyan community.

**Age Specific births of women in Kenya**

Age in years	No. of women	Births
15-19	106400	34341
20-24	895300	162879
25-29	1358100	200167
30-34	1541500	107188
35-39	1243300	25604
40-44	1189500	5123
45-49	1196600	479
TOTAL	0	0

Using the above information, calculate to one decimal place

- A.S.F.R
- Total Fertility Rate (15 Marks)

**QUESTION FOUR (15 MARKS)**

Discuss the sources of demographic data (15 Marks)

**QUESTION FIVE (15 MARKS)**

Describe the importance of civil registration (15 Marks)