

**CHUKA UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

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

**HRIM 253 HEALTH CARE AND PATIENT DATA SYSTEMS**

**STREAMS: BSC HIRM Y2S2**

**DATE: JUNE 2021**

**TIME: 2 HOURS**

**INSTRUCTIONS:**

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

**SECTION A**

**Question 1 (20 Marks)**

- a. Differentiate data from information(5 Marks)
- b. State the characteristics of a system (5 Marks)
- c. Describe the organization of the health system in Kenya according to Kenya Health Sector Strategic Plan III (5 Marks)
- d. State the disadvantages of routine administrative data(5 Marks)

**Question 2 (20 Marks)**

- a. Describe the dimensions of data quality (5 Marks)
- b. Describe the sources of health care data (5 Marks)
- c. Explain the application of Information Technology (IT) in healthcare (5 Marks)
- d. Outline the process of developing patient care information system (5 Marks)

**SECTION B: Answer question 3 (Three) and any other 1 (one) question from this section**

**Question 3**

As a Health Records and Information Officer, discuss the importance of a Health Information System (15 Marks)

**Question 4**

Describe the challenges in developing a patient care information system (15 Marks)

**Question 5**

Compare and contrast a manual Health Information System and an Electronic Health Information System (15 Marks)