CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

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

HRIM 141: INTRODUCTION TO MEDICAL STATISTICS

STREAMS: HRIM   **TIME: 2 HOURS**

DAY/DATE: THURSDAY 25/03/2021   **11.30 A.M. – 1.30 P.M.**

INSTRUCTIONS:

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

SECTION A:

QUESTION 1 (20 MARKS)

   (a) State the uses of statistical data   (5 marks)

   (b) Describe 2 main sources of data   (5 marks)

   (c) State the methods of primary data collection   (5 marks)

   (d) Describe measures of central tendency   (5 marks)

QUESTION 2 (20 MARKS)

   (a) State at least 5 (five) methods of data presentation   (5 marks)

   (b) Describe measures of dispersion   (5 marks)

   (c) Describe how to create a stem and leaf diagram   (5 marks)

   (d) State the use of health indicators in health care   (5 marks)

SECTION B: ANSWER QUESTION 3 AND ANY OTHER 1 QUESTION

QUESTION 3 (15 AMRKS)

As a Health and Information officer, discuss the collection of statistical data in a health facility.

(15 marks)

QUESTION 4 (15 MARKS)

Compare and contrast a pie chart and a table as methods of data presentation.   (15 marks)

QUESTION 4 (15 MARKS)

In-patient diseases 2001

Kenyatta National Hospital

	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Malaria	96	78	72	65	77	71	67	73	53
T.B	13	10	9	10	10	9	8	7	6

Construct a multiple component bar chart from the above data.

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