

CHUKA



UNIVERSITY

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

HRIM 243: HOSPITAL ADMINISTRATIVE STATISTICS

STREAMS: BSC HRIM Y2S1

TIME: 2 HOURS

DAY/DATE: MONDAY 22/03/2021

2.30 P.M. – 4.30 P.M.

INSTRUCTIONS:

- **There are two sections in this paper.**
- **Answer 4(four) questions total.**
- **Answer question 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 1 (20 MARKS)

- (a) State 5 uses of statistics in a health care. (5 marks)
- (b) Discuss 5 examples of routine data collected in a health facility. (5 marks)
- (c) Describe 5 advantages of routine data. (5 marks)
- (d) Define and explain the use of a Daily Bed Return (DBR). (5 marks)

QUESTION 2 (20 MARKS)

- (a) Define the following terms
- (i) Available Bed Days. (1 mark)
- (ii) Occupied Bed Days. (1 mark)
- (iii) Percentage Occupancy (1 mark)

- (iv) Average Length of Stay. (1 mark)
- (v) Turn over interval. (1 mark)
- (b) With the use of examples, differentiate between descriptive and inferential statistics. (5 marks)
- (c) Differentiate between primary and secondary data and give examples of each.(5 marks)
- (d) Describe 5 statistical reports commonly generated by a health information department in a hospital on a monthly and annual basis. (5 marks)

SECTION B ANSWER QUESTION 3 AND ANY OTHER ONE QUESTION

QUESTION 3 (15 MARKS)

Monthly activities for Nyeri County and Referral Hospital for the month of August 2014.

The ward has 53 official beds.

Period	No. of Admissions	No. of Discharges	No. of Deaths	Patients Remaining daily
August 2014	173	105	42	1721

Source: Nyeri County Referral Hospital (2014)

From the data above calculate:

- (a) Available Bed Days (3 marks)
- (b) Percentage Occupancy (3 marks)
- (c) Average Length of Stay (3 marks)
- (d) Turn Over Interval (3 marks)
- (e) Turn Over per Bed (3 marks)

QUESTION 4 (15 MARKS)

Discuss in detail the different types of statistical data collected in a health facility and how they are used giving relevant examples. (15 marks)

QUESTION 5 (15 MARKS)

Describe the various methods of data presentation. (15 marks)
