

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

HRIM 121: EPIDEMIOLOGY FOR HEALTH RECORDS AND INFORMATION
MANAGERS I

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:
 - i. Epidemiology (2 Marks)
 - ii. Health (2 Marks)
 - iii. Disease (1 Mark)
- b. Describe the epidemiologic triad (5 Marks)
- c. Discuss methods of measuring occurrence of diseases (5 Marks)
- d. State the scope and objective of epidemiology (5 Marks)

QUESTION TWO (20 MARKS)

- a. State the types of errors in epidemiology (5 Marks)
- b. Differentiate prevalence from incidence (5 Marks)
- c. State the adverse effects in screening (5 Marks)
- d. Differentiate validity from reliability (5 Marks)

SECTION B Answer question three and any other one question

QUESTION THREE (15 MARKS)

As a Health Records and Information Officer, describe how you would use epidemiology skills and knowledge in your duties (15 Marks)

QUESTION FOUR (15 MARKS)

Describe the steps in investigating a disease outbreak (15 Marks)

QUESTION FIVE (15 MARKS)

Describe the four most common types of epidemiological studies (15 Marks)