CHUKA   **UNIVERSITY**

UNIVERSITY EXAMINATIONS

RESIT/SPECIAL EXAMINATION

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

HRIM 272: COMPUTER APPLICATIONS FOR HEALTH INFORMATION MANAGEMENT II

STREAMS: BSC (HRIM)   **TIME: 2 HOURS**

DAY/DATE: FRIDAY 17/09/2021   **11.30 A.M – 1.30 P.M.**

INSTRUCTIONS:
- Section A is compulsory.
- Question **two in section B** is compulsory.
- Answer any other one question in section B.

SECTION A Compulsory (40 marks)

QUESTION ONE

i. Distinguish Connectivity software from Utility software   [6 marks]

ii. Describe six limitations of computer applications in health records management [6 marks]

ii. Describe six characteristics you would consider before purchasing computers for health records management system   [6 marks]

iii. Explain three features of secure communication   [6 marks]

iii. Explain six functions supported by an email   [6 marks]

iii. What is the difference between authentication protocol and digital signature? Give an example for each.   [6 marks]

iv. Discuss two live-wares of a computer system [4 marks]

SECTION B: ATTEMPT QUESTION TWO, AND ANY OTHER ONE
QUESTION TWO

i. Explain five goals of a network [10 marks]

ii. Describe any five quality statistical packages used in health data analysis [5 marks]

QUESTION THREE

Discuss the following computer applications in health care

i. Computers for Every Room [7 marks]

ii. Augmented Reality [8 marks]

QUESTION FOUR

i. Discuss the impact of computer applications in health management [7 marks]

ii. Describe four general categories of security attack [8 marks]