

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**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: HRIM Y2S1

TIME: 2 HOURS

DAY/DATE: MONDAY 22/03/2021

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

- Distinguish connectivity software from utility software. (4 marks)
- Identify 5 advantages of Integrated Services Digital Network (ISDN). (4 marks)
- Describe five limitations of computer applications in health records management. (5 marks)
- Describe five characteristics you would consider before purchasing computers for health records management system. (5 marks)
- Define secure communication and list three of its features. (5 marks)
- Explain five functions supported by an email. (5 marks)
- Differentiate authentication protocol from digital signature. (6 marks)
- Discuss three live-ware of a computer system. (6 marks)

SECTION B: ATTEMPT QUESTION TWO AND ANY OTHER ONE

QUESTION TWO

Discuss the following computer applications in health care.

- (i) Computer for every room. (7 marks)
- (ii) Augmented reality. (8 marks)

QUESTION THREE

- (i) Explain five goals of a network. (10 marks)
- (ii) Describe any five quality statistical packages used in health data analysis. (5 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)
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