namibia university
OF SCIENCE AND TECHNOLOGY

FACULTY OF HEALTH AND APPLIED SCIENCES

DEPARTMENT OF HEALTH SCIENCES

QUALIFICATION: BACHELOR OF HEALTH INFORMATION SYSTEMS MANAGEMENT	
QUALIFICATION CODE: 07BHIS	**LEVEL**: 6
COURSE: ELECTRONIC HEALTH RECORDS	**COURSE CODE**: EHR621S
DATE: JANUARY 2019	**SESSION**: SEMESTER 2, 2018
DURATION: 3 HOURS	**MARKS**: 100

SECOND OPPORTUNITY/SUPPLEMENTARY EXAMINATION QUESTION PAPER	
EXAMINER	**DR GLORIA EJEHIOHEN IYAWA**
MODERATOR	**DR SUAMA HAMUNYELA**

INSTRUCTIONS
1. Answer ALL the questions.
2. Write clearly and neatly in the answer book provided.
3. Number the answers clearly.

PERMISSIBLE MATERIALS
NONE

THIS QUESTION PAPER CONSISTS OF 3 PAGES
(Including this front page)

SECTION A – TRUE/FALSE QUESTIONS

Question 1   **Total Marks = 10**

  1.1   Write "T" or "F" to indicate if the following statements are true or false. **(10 marks)**

        a. Illegible handwriting is a major cause of medical error. **(2 marks)**

        b. Interoperability does **NOT** allow the sharing of information between institutions. **(2 marks)**

        c. Mobile devices **CANNOT** be used for recording patient data at first point of care. **(2 marks)**

        d. Electronic Health Records do **NOT** allow users to enter patient behavioural and environmental details. **(2 marks)**

        e. Electronic Health Records facilitate data analysis and decision making. **(2 marks)**

SECTION B – SHORT ANSWER QUESTIONS

Question 2   **Total Marks = 29**

  2.1   In relation to Electronic Health Records, describe the following terms - **(2 marks each)**

        a. Data quality
        b. Electronic Patient Records
        c. Gold standards

  2.2   What is the major difference between an Electronic Medical Record and an Electronic Health Record? **(2 marks)**

  2.3   In what instance would you recommend an open Electronic Health Record System of System? **(2 marks)**

  2.4   Highlight **five (5)** benefits provided to a medical personnel when Electronic Health Records are used. **(5 marks)**

  2.5   What are the **three (3)** main HIPAA Enforcement requirements for organisations implementing HIPAA? **(6 marks)**

  2.6   Identify three **(3)** unique identifiers used for transactions per HIPAA Unique Identifiers Rule. **(6 marks)**

  2.7   Why is it important for patient records to have unique identifying numbers? **(2 marks)**

SECTION C – OPEN ENDED QUESTIONS

Question 3   **Total Marks = 61**

3.1   Describe **four (4)** principles of the Privacy Rule based on HIPAA standards.   **(8 marks)**

3.2   Identify and explain **three (3)** main types of clustering used in analysing health data with the use of GIS based mapping.   **(12 marks)**

3.3   Would you recommend the inclusion of the SOAP format in Electronic Health Records that are utilised at emergency point of care units? Be sure to discuss your reasons in-depth.   **(12 marks)**

3.4   Discuss in details **two (2)** challenges which could be experienced after implementing Electronic Health Records.   **(10 marks)**

3.5   Briefly discuss seven methods of evaluating data quality in Electronic Health Records.   **(14 marks)**

3.6   Mention **five (5)** functions of the OpenMRS registration desk module.   **(5 marks)**