



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

FACULTY OF HEALTH, APPLIED SCIENCES AND NATURAL RESOURCES

DEPARTMENT OF HEALTH SCIENCES

QUALIFICATION : BACHELOR OF SCIENCE IN HEALTH INFORMATION SYSTEMS MANAGEMENT	
QUALIFICATION CODE: 07BHIS	LEVEL: 6
COURSE NAME: ELECTRONIC HEALTH RECORDS	COURSE CODE: EHR621S
DATE: NOVEMBER 2022	SESSION: FIRST OPPORTUNITY
DURATION: 3 HOURS	MARKS: 100

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
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INSTRUCTIONS
<ol style="list-style-type: none">1. Read the questions and instructions carefully2. Answer All the questions3. Write neatly and clearly4. Begin each question on a separate sheet of paper and number the answers clearly

**THIS QUESTION PAPER CONSISTS OF 3 PAGES
(INCLUDING THIS FRONT PAGE)**

SECTION A

QUESTION 1

[10 MARKS]

- 1.0 Assess whether the following statements are true or false: **One mark for each question** [10]
- 1.1 Data is regarded as a vital resource and is prone to be a threat if a system fails to protect it.
- 1.2 Influences, resources and activities that exist outside the boundaries of the organization but significantly affects the organization are known as internal domains.
- 1.3 Patient records contain information such as treatment and medical history about different patients as it is collected by the individual medical practice.
- 1.4 EMR systems enable an efficient availability of meaningful, accurate and complete data to assist all medical units with a continuous access to an up to date and reliable medical records.
- 1.5 Electronic health record stores patient records in a less standardized format.
- 1.6 One of the major causes of medical errors is illegible writing.
- 1.7 Interoperability allows the sharing of information between institutions.
- 1.8 Data security cannot be compromised with paper based records.
- 1.9 Electronic health records facilitate data analysis and decision making.
- 1.10 The use and disclosure of health information needed for patient care and other important purposes is permitted in accordance to privacy rule.

SECTION B

QUESTION 2

[35 MARKS]

- 2.0 Define the following concepts:
- 2.1 Electronic Medical Records [3]
- 2.2 Patient Records [2]
- 2.3 Healthcare Services [2]
- 2.4 Data Consistency [3]
- 2.5 Outline five (5) rules for keeping medical records? [5]
- 2.6 Enumerate the four (4) liabilities associated with provision of medical records? [4]
- 2.7 Identify any three (3) entities or persons that a healthcare facility can provide medical records to? [3]

- 2.8 List any three (3) disadvantages of Electronic Medical Records? [3]
- 2.9 Describe the prerequisite factors of an electronic medical record system in order to ensure that the implementation of electronic medical records is effective? [10]

SECTION C

QUESTION 3 [55 marks]

- 3.0 Mento Medical Institute currently uses paper based systems for recording patient information. You as the Health Information Officer for the medical institute have observed the challenges of using a paper based system. Given an opportunity by the management committee, describe:
- 3.1 The functions of medical records [12]
- 3.2 List and explain the benefits of Electronic Medical Records (EMR) adoption [12]
- 3.3 Describe the possible challenges the medical institute may experience with EMR adoption [10]
- 3.4 Identify and explain the risks associated with EMR Implementation [11]
- 3.5 List possible contributing factors that creates the risks with EMA Implementation. [10]

TOTAL: 100 MARKS

GOOD LUCK