



**PAMIBIA UNIVERSITY  
OF SCIENCE AND TECHNOLOGY**

**FACULTY OF HEALTH, APPLIED SCIENCES, AND NATURAL RESOURCES**

**DEPARTMENT OF HEALTH SCIENCES**

<b>QUALIFICATION : BACHELOR OF SCIENCE IN HEALTH INFORMATION SYSTEMS MANAGEMENT</b>	
<b>QUALIFICATION CODE: 07BHIS</b>	<b>LEVEL: 7</b>
<b>COURSE CODE: HIM621S</b>	<b>COURSE NAME: HEALTH INFORMATION MANAGEMENT</b>
<b>SESSION: NOVEMBER 2022</b>	<b>PAPER: THEORY</b>
<b>DURATION: 3 HOURS</b>	<b>MARKS: 100</b>

<b>FIRST OPPORTUNITY EXAMINATION QUESTION PAPER</b>	
<b>EXAMINER(S)</b>	DR ROSWITHA MAHALIE
<b>MODERATOR</b>	MS INDAA PAULUS

<b>INSTRUCTIONS</b>
1. Answer ALL questions. 2. Write clearly and neatly. 3. Number the answers clearly.

**PERMISSIBLE MATERIALS**

1. None

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

## SECTION A

### QUESTION 1

[30 Marks]

- 1.1 Differentiate between the following concepts (10)
- 1.1.1 Financial data and clinical data (5)
  - 1.1.2 Discharge and rule-out (5)
- 1.2 Indicate which of the following statements are TRUE or FALSE. Each response earns one mark. (10)
- 1.2.1 Part 2 in the e-health strategy establishes a plan to monitor implementation and manage associated risks.
  - 1.2.2 Primary source documents used in the TB programme are the TB treatment card, TB register and electronic TB register.
  - 1.2.3 An ambersand is the best example of a character.
  - 1.2.4 Data dictionary is a list of details that describe each field in a database.
  - 1.2.5 Matching means when the data manager deliberately conduct double entries/spot checks to ensure accurate entry of data.
  - 1.2.6 Treatment is a procedure, medication, or other measure that is designed to cure or alleviate the symptoms of a disease.
  - 1.2.7 A record also refers to all the data collected about a patient's visit or all of the patient's visits.
  - 1.2.8 Ineligible notes in patient files could compromise the reliability of the data.
  - 1.2.9 DHIS2 is divided into core module, in-patient data, and pharmaceutical data.
  - 1.2.10 A file is regarded as numerous records of different types of related data.

## SECTION B

### QUESTION 2

[30 Marks]

- 2.1 Compare and contrast the different data management processes and highlight two (2) common data quality issues at each level. (20)
- 2.2 Name any type of information to be documented in a complete medical history for the following systems. (10)
- 2.2.1 Neurological (3)
  - 2.2.2 Endocrine (3)
  - 2.2.3 Psychiatric disorders (2)
  - 2.2.4 Hematologic system (2)

**QUESTION 3****[15 Marks]**

- 3.1 As an experienced strategic information officer for a donor-funded healthcare organization, you are requested to develop outcome level indicators. Explain the significance of developing sound indicators. (5)
- 3.2 According to the HIM Professional Core Model, certain responsibilities, and functional areas are expected of HIM professionals. Identify these responsibilities. (5)
- 3.3 List the most commonly found sources of health information in any health care setting. (5)

**SECTION C****QUESTION 4****[25 Marks]**

- 4.1 Mr Greyland is admitted and prepared for a Trans-Urethral Resection (TUR) at the Windhoek Central hospital on the 25th of October 2022 at 15h00 by Sr Verii. During the process of admission, Sr Verii recorded the following information in the patient admission file: BP 157/100; Pulse 72bpm; Respiration 18bpm; Saturation 85%. Although, Mr Greyland complained of headache, abdominal pain in his right lower quadrant and diarrhoea, but no nausea or vomiting was reported. Propose guidelines (with examples) on the medical decision-making process to be used by health care workers to assess the patient post-operatively. (12)
- 4.2 All data should be recorded, handled, and stored in a way that allows its accurate reporting, interpretation, and verification. Write notes on the data review process by responding to the following questions:
- 4.2.1 What is a data review process (2)
- 4.2.2 Why is a data review conducted (2)
- 4.3.3 Highlight the four-phase processes to be followed when conducting a data review. (4)
- 4.3 AEG- health consult was sub-contracted by REMIX, an international donor agency to implement interventions that will strengthen the prevention-of mother to child transmission of HIV/AIDS programme among pregnant women in Katuka health district. Below is a matrix showing the baseline values per indicator based on the feasibility study that was conducted two (2) months prior to the implementation of the programme. You are requested to set cumulative targets for the 2022 to 2024 financial year using three percent (3%) increase for each financial year. (5)

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**TOTAL: 100 MARKS**