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**091906T4HRI**

## **HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6**

**HE/OS/HR/CR/01/6**

**Manage Health Information**

**July/August 2025**

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## **TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL (TVET CDACC)**

### **WRITTEN ASSESSMENT**

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**Time: 3 HOURS**

#### **INSTRUCTIONS TO CANDIDATE:**

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1. This paper consists of **TWO** sections: **A** and **B**.
2. Attempt **ALL** questions in section A and **ANY THREE (3)** questions in section B.
3. Marks for each question are indicated in the brackets.
4. Candidates are provided with a separate answer booklet.
5. Do not write on the question paper.

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**This paper consists THREE (3) printed pages.**

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**Candidate should check the question paper to ascertain that  
all pages are printed as indicated and that no questions are missing.**

## SECTION A: (40 MARKS)

*Attempt ALL the questions in this section.*

1. There are various terms used in managing health information systems. Define the following terms as used in Health Information System:
  - a) Health information. (2 Marks)
  - b) Information system. (2 Marks)
2. Data quality is essential for health data and information. State FIVE characteristics of good quality data. (4 Marks)
3. A health facility is digitizing its data from paper-based to electronic. Give FOUR objectives of adopting a health management information system (HMIS) within the health facility. (4 Marks)
4. A medical records technician at your hospital is differentiating data types used in daily reports. Giving examples, identify TWO main types of data collected in a health facility. (4 Marks)
5. In your data presentation during a health facility meeting, you are required to justify the use of quantitative data. State FOUR advantages of using quantitative data in health information systems. (4 Marks)
6. During a county health review meeting, you were asked to present concerns about data collection. Mention THREE challenges associated with collecting qualitative data in healthcare. (3 Marks)
7. As health records and information officer, you are conducting review of health information system components. Give THREE major subsystems of a Health Information System (HIS). (3 Marks)
8. A data officer at the hospital manages a large facility-based health data. List THREE subsystems of management information system (MIS) (3 Marks)
9. There are different sources of health data. Give THREE sources of health data that can be used for decision making within a health facility. (3 Marks)
10. Health Information is used for various purpose. State FOUR uses of health information in supporting hospital operations. (4 Marks)
11. A level 4 Hospital (sub county) performs various functions apart from patient care. State FOUR functions performed at a Level 4 Hospital. (4 Marks)

**SECTION B: (60 MARKS)**

***Attempt ANY THREE (3) questions in this section.***

12. Your county Monitoring and Evaluation department is auditing facility data reports.

a) Describe FIVE practical techniques that you can apply to ensure the quality of data collected in your health facility. (10 Marks)

b) Explain the FIVE step-by-step process you would follow to perform a data quality check during a facility visit. (10 Marks)

13. You have been tasked to train new Health Records staff on how data flows within a hospital setting.

a) Describe the stages of the information flow cycle from data collection to data use. (10 Marks)

b) Explain FIVE key ways in which synthesized (analyzed) data can support hospital decision-making and planning. (10 Marks)

14. During your work as a Health Records Officer, you're tasked to update interns on various MOH data collection tools.

a) Identify FIVE official data collection tools used in health facilities and explain their respective uses. (10 Marks)

b) Explain the relevance of the following registers in your day-to-day operations:

i. Outpatient morbidity register. (5 Marks)

ii. Inpatient morbidity and mortality register. (5 Marks)

15. As a Health Information Officer, you're reviewing a report on changes in Kenya's healthcare delivery system.

a) Describe the FOUR tiers of healthcare delivery in Kenya and give an example of services under each tier. (8 Marks)

b) Explain the SIX levels of healthcare delivery and what type of facility or service corresponds with each level. (12 Marks)