

Qualification Code : 091906T4HRI
Qualification : Health Records and Information Technology Level 6
Unit Code : HE/OS/HR/CR/04/6/A
Unit of Competency : Manage Health Records Database



AMREF INTERNATIONAL TRAINING CENTER

WRITTEN ASSESSMENT

Time: 3 HOURS

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This paper consists of FIVE(5) printed pages

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

SECTION A: SHORT RESPONSE QUESTIONS (40MARKS)

1. Define medical records database as used in health information management (2 marks)
2. Major wanted to establish a hospital system that stores data in database server. Identify TWO advantages of using SQL server in data storage (2 marks)
3. Electronic health system in facility A was to be secured to promote information confidentiality and confidentiality. Identify FOUR security threats to an electronic medical records database(4marks)
4. Using Microsoft access a database can be built and designed to meet the market demands. Identify Four patient details to be included in Microsoft access health records database (4marks)
5. Mwanja was integrating medical records from manual to EMR. Highlight four factors to consider while developing the database (4 marks)
6. Health records database has got stages required in ensuring successful design and development. Highlight Four stages in the health records database lifecycle (4 marks)
7. Database undergoes normalization before it is fully implemented
 - i) Define data normalization. (1marks)
 - ii) Enumerate four importance of health records database normalization (4marks)
8. Identify three Data manipulation language that an SQL end user needs to use for him to query a database using MY SQL database (3 marks)
9. HRIO wanted to query an SQL database obtain total (SUM) consultation fee from table patient. Write an SQL query to return this value. (4 marks)
10. Mathenge during development of an SQL query he needed to design tables and ensure specificity in data types. Differentiate primary key and a foreign key in SQL. (4marks)

SECTION B: EXTENDED RESPONSE QUESTIONS SELECT THREE QUESTIONS

FORM THIS SECTION (60MARKS)

11. Hospital x was designing a database called Malo_HospitalDB, Table patient comprising of the following attributes; Full_name, Patient_ID, age, gender, NOK_Name, Contact, Residence..

A) Write an SQL query to describe the database. (10marks).

B) Using the above database insert values into Table patient (8 marks)

C) Query the database to view data (2 marks)

12. When you are performing SQL queries, there are basic concepts required in database management.

a) Describe ways in which these commands are used (10 marks)

i. INSERT

ii. UPDATE

iii. DELETE

iv. SELECT

b) Explain five reasons why a medical records database can be archived (10 marks)

13. You have been tasked with a responsibility of creating a hospital database called Mandela hospital DB using Microsoft access.

a) Describe how to create table patient, appointment, and Doctor using Microsoft access for this database (10 marks)

b) Query language has got a language used in designing and development. Explain how these value characters are used in database management (10 marks)

- i. VARCHAR
- ii. CHAR
- iii. INT
- iv. DATE AND TIME
- v. NUMERIC

14. Database is a well-structured system that supports data flow and utilization. It is therefore classified differently depending with the use and application in the organizations.

A) Discuss FIVE classifications of databases (10 marks)

B) Describe five advantages of data ware-house in database management (10 marks)