

061005T4ICT

ICT TECHNICIAN LEVEL 5

ICT/OS/IT/CR/04/5

MANAGE DATABASE SYSTEM

NOV/DEC 2023



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

WRITTEN ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATE

1. This paper has THREE sections A, B and C. Attempt questions in each section as per instructions given in the section.
2. You are provided with a separate answer booklet.
3. Marks for each question are indicated in the brackets.
4. Do not write on the question paper

**This paper consists of 9 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: 20 MARKS

Attempt ALL questions in this section.

1. Which type of database model organizes data into tables with rows and columns?
 - A. Hierarchical
 - B. Relational
 - C. NoSQL
 - D. Graph
2. _____ is a set of one or more attributes taken collectively to uniquely identify a record.
 - A. Primary Key
 - B. Foreign Key
 - C. Supper Key
 - D. Candidate Key
3. What is a table in a database?
 - A. A Visual representation of the database structure
 - B. A Collection of related records organized in rows and columns
 - C. A backup copy of the entire database
 - D. A query is used to retrieve data.
4. Select the relationship that exists between two tables in a relational database when a record in the 1st table can be related to many records in the 2nd table, but each record in the 2nd table is related to only one record in the 1st table.
 - A. One-to-one
 - B. one-to-many
 - C. many-to-one
 - D. many-to-many
5. When creating a new table, what is the purpose of the PRIMARY KEY constraint?
 - A. It specifies the table's name
 - B. It enforces unique values in a specific column and identifies a record
 - C. It sets a default value for all records
 - D. It defines a foreign key relationship