

032205T4LIS

LIBRARY & INFORMATION SCIENCE LEVEL 5

BUS/OS/LIS/CR/02/5A

Search Library Information and Databases

March/April 2025



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

PRACTICAL ASSESSMENT

3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are to be provided with the resources below to perform the tasks 1 and 2.
 - i. A working computer
 - ii. MS Access installed on your computer
 - iii. SQL database

Task 1: Database Design

You are tasked with creating a database for a school library. The library needs to track information materials, users and issuance.

- a) Create a database in MS Access called DBMS. Inside the DBMS create the following three tables having the fields as defined below. Assign appropriate datatype for each field.
 - i) Information materials table: Material ID, Title, Subject, Author and Number of pages
 - ii) Users table: User ID, Users Name, Admission number, Course, Department
 - iii) Issuance table: Issue number, User ID, Material ID, Date borrowed, Date to be returned
- b) Assign appropriate primary key for each table.
- c) Design a relational database schema for the tables created in a) above.
- d) Populate each table with FOUR entries.

Task 2: Queries and Reports

Use the tables created in Task ONE carry out the below;

- a) Write an SQL query to retrieve information materials that are frequently issued.
- b) Create a report that displays the average number of users that frequently use the information materials. Print the Report.