

061005T4ICT
ICT TECHNICIAN LEVEL 6
ICT/OS/IT/CR/04/6
MANAGE DATABASE SYSTEM
NOV/DEC 2023



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

PRACTICAL ASSESSMENT

TIME: 3 HOURS

INSTRUCTIONS TO CANDIDATE

1. In this assessment, you will be required to perform all tasks:
2. You are given **5 minutes** to read through the tasks and confirm the availability of the resources
3. The assessor will record your performance at critical points during the exams
4. Tasks carry **50** marks
5. **You are provided with the following resources:**
 - A working computer installed with MS access application.

This paper consists of TWO (2) printed pages
Candidates should check the question paper to ascertain that all pages are printed
as indicated and that no questions are missing.

Perform the following tasks

Task 1.

You have been contracted to design a database for ZYX college with the database name **COLEMIS** having the tables below;

- i) Students - student ID, First Name, Last name, and Date of birth. Set student ID as the primary key
- ii) Courses - Course ID, Course name, Instructor. Set course ID as the primary key and instructor ID as the foreign key referencing instructor ID in the instructor's table
- iii) Instructors - Instructor ID, Instructor name. Set instructor ID as the primary key
- iv) Enrollments. Enrollment ID, Student ID, Course ID, and Enrollment Date. Set enrollment ID as the primary key and student ID and course ID as foreign keys referencing students and courses tables respectively.
- v) Ensure proper relationships and constraints.

Task 2.

Enter at least five entries of data into each table created.

Task3.

- i. Write an SQL query to retrieve the names of students who are enrolled in the course.
- ii. Print the output of the above query.