061206T4CYB

A CYBER SECURITY TECHNICIAN LEVEL 6

SEC/OS/CS/CR/07/6/A

SECURE DATABASE

Nov. / Dec. 2023

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

PRACTICAL ASSESMENT OBSERVATION CHECKLIST

INSTRUCTIONS TO THE ASSESSOR

1. You are required to mark the practical as the candidate performs the tasks.

2. You are required to take video clips at critical points.

3. Allocate the candidate **10 minutes** to carefully read through the instructions and to collect the tools/resources required for the tasks.

4. Allocate the candidate **3 Hours** to perform **2** practical tasks.

5. The candidate should write his/her name, registration code, date and sign in the practical assessment attendance register.

6. Ensure the candidate has a name tag and registration code at the back and front.

OBSERVATION CHECKLIST

Candidate's name & Registration No.	
Assessor's name & Reg. code	
Unit(s) of Competency	Secure Database
Venue of Assessment	
Date of assessment	

(Award mark(s) appropriately as guided for in the items for evaluation indicated. Give a brief comment where necessary)

Items to be evaluated:	Marks Available	Marks Obtained	Comments
Task 1: Database vulnerability assessment			
1. Opened SQL Server Management Studio. *(Award 1mark)*	**1**		
2. Connected to an instance of the SQL Server Database Engine or local host *(Award 3mark)*	**3**		
3. Used the vulnerability assessment feature to scan the master database for vulnerabilities *(Award 5marks)*	**5**		
4. Saved the scans	**2**		
5. Analyzed the report by identifying the following; *The number of security checks. (1mark)* *The number of security checks that passed. (1mark)* *The number of failed security checks, their respective severities and a justification of failure (5marks).*	**7**		
6. Used the actionable remediation information provided by the report to resolve the issues failed. *(Award 7marks).*	**7**		
TOTAL	**25**		

Tasks 2: Deploying patches for SQL Server Management Studio			
7. Checked and documented SQL server version. *(Award 2marks).*	**2**		
8. Created a backup for the following system databases; master, model, msdb, and tempdb *(Award 4marks).*	**4**		
9. Using the SQL server management studio's check update feature install the latest updates or download them from the official Microsoft website. *(Award 5marks).*	**5**		
10. Used the SQL server profiler tool in SQL server management studio to indicate the health status of SQL server instance. *(3marks).*	**3**		
11. Saved the trace file on the desktop. *(1mark).*	**1**		
TOTAL	**15**		
Task 3: Configure windows firewall for SQL Server 12. Configured the windows firewall to allow the SQL Server applications in the firewall. *(Award 10marks)*	**10**		
TOTAL	**50**		
ASSESSMENT OUTCOME			

The candidate was found to be:

Competent ☐   Not yet competent ☐

(Please tick as appropriate)

(The candidate is competent if s/he gets 50% or higher of the items of evaluation correct)

Feedback to candidate:
Feedback from candidate:

Candidate's Signature   **Date**

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Assessor's Signature   **Date**

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END