

061006T4ICT

ICT TECHNICIAN LEVEL 6

IT/OS/ICT/CR/3/6

CONTROL ICT SECURITY THREATS

JULY/ AUGUST 2023



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

PRACTICAL ASSESSMENT

TIME: 3 HOURS

INSTRUCTION TO CANDIDATE

1. In this assessment, you will be required to perform the following tasks:
 - a) **Task 1:** Device, Folder, File and Browser Security
 - b) **Task 2:** Operating System Security and Malware Protection
2. You are given **10 minutes** to read through the tasks and confirm the availability of the resources
3. The assessor will record your performance at critical points using audio-visual means
4. All tasks carry **50** marks
5. You will be provided with the following resources;
 - a) Windows 10- based Personal Computer with:
 - MSOffice 2013 (Minimum)
 - Browser: Chrome
 - Antimalware (Minimum – Active Windows Defender)

- b) USB hand drive having AVG antivirus

Task 1:

a) Configuring Device, Folder and File Security (10 Marks)

Your computer contains a folder named "ICT Security ". The folder contains a subfolder named "test ". Inside the subfolder test is a MSWord file named "The quick brown fox ".

- i) Grant the "Full Control" Privilege on the folder "test" to a selected group of users.
- ii) Set the attributes of the MSWord file as "Hidden" and "Read Only" and ensure it is not visible inside the folder
- iii) Copy the "ICT Security " to the flash drive
- iv) Encrypt the USB drive with the password "MyP@ss123"

b) Configuring Browser Security (10 Marks)

Configure your browser' security as below and capture screenshots for each configuration:

- i) Block third party cookies
- ii) Clear all browser History
- iii) Standard protection for safe browsing
- iv) Disallow sites from using your camera
- v) Disallow sites from sending pop ups

Task 2: Operating System Security and Malware Protection

a) Reviewing Windows Security (13 Marks)

- i) Capture the status of the following Windows Security areas and generate a report from screenshots.
 - Firewalls
 - Windows updates
 - Device performance and health
 - Virus and threat protection settings
 - Current threats

- ii) Run protection updates and capture a screenshot of the outcome, create a folder on the desktop name it “security” and save the screenshot as protection inside the folder.

b) Installing and Configuring an Antivirus (17 Marks)

- i) Disable Windows Defender and Firewall
- ii) Perform the following tasks, each captured with a screenshot
 - Install and activate AVG antivirus.
 - Configure the scan type to "quick scan" and schedule "Automatic Scans"
 - Set Up "Real Time Protection"
 - Enable Notifications and Automatic Updates
 - Run an Initial Scan