

061205T4CYB

CYBER SECURITY LEVEL 5

SEC/OS/CS/CR/07/5/A

Conduct Cyber Security Assessment and Testing

Nov / Dec 2024



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

PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You have been provided with the following resources for the practical tasks:
 - *Working Computer system installed with Kali Linux and Nmap Tool*
 - *Internet connection*

You have been hired as a cybersecurity consultant for a small organization that is concerned about unauthorized devices and network security. Your task is to assess the security posture by identifying live hosts, scanning for open and closed ports, and analysing the network. You are working from a **Kali Linux** machine and have been connected to the organization's internal network. The organization has provided you with no specific information about their network configuration.

Task 1: Identify the IP Address of Your Network

Task 2: Scan the entire Network for Live Hosts

Task 3: Check for Open and Closed Ports on Live Hosts

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