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061906T4TEL

TELECOMMUNICATION ENGINEERING LEVEL 6

ENG/OS/TLE/CR/17/6/A

Install WIFI

July/August 2025

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

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PRACTICAL ASSESSMENT

4 HOURS

INSTRUCTIONS TO CANDIDATE:

1. Do not write on the question paper.
2. A separate plain sheet will be provided.
3. Return this paper to assessor at the end of the assessment.
4. The assessor will take pictures and videos as you conduct the practical.

This paper consists of THREE (3) printed pages.

Candidate should check the question paper to ascertain that all pages are printed as indicated and that no questions are missing.

You are provided with the following resources:

1. Computer with Cisco Packet Tracer installed

Using the resources provided perform the following tasks:

Task 1: Using packet tracer set up the network as shown in figure 1

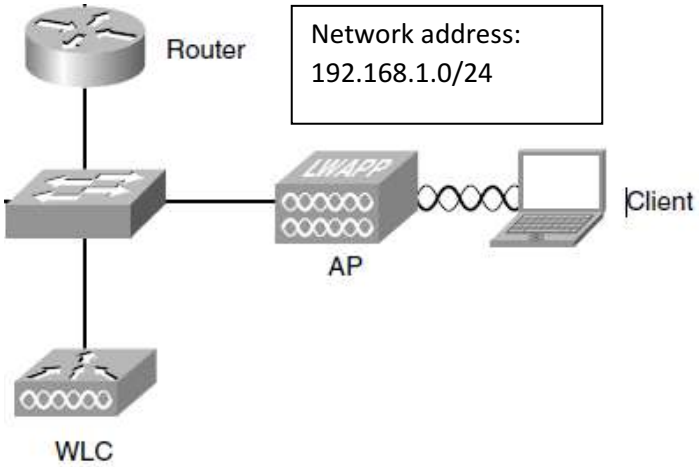


Figure 1

Task 2: Configure the Router and allocate for DHCP

easytvet.com

Router hostname R1

Password: cisco123

DHCP pool name tveta pool1

Task 3: Configure the Switch for VLAN and Connectivity

Task 4: Configure the Wireless LAN Controller (WLC)

login: admin

Password: cisco123

passphrase MySecurePass

Step 5: Configure the Access Points (LAP-PT) to Join the WLC

Step 6: Connect Wireless Clients

password (MySecurePass).

Connect and verify network access with a **ping to 192.168.1.1**.

Step 7: Submission Requirements for simulated lab

Each student must (for simulated lab) submit:

i. Packet Tracer (.pkt) file with the fully configured network.

ii. PDF report (2–3 pages) including: Network topology diagram (screenshot from Packet Tracer). Configuration steps (router, switches, APs, VLANs, DHCP, and security). Connectivity test results (ping, file sharing verification).

THIS IS THE LAST PRINTED PAGE.

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