CWNP CWT-100

CWNP Wi-Fi Technician Certification Questions & Answers

Exam Summary – Syllabus – Questions

CWT-100

CWNP Certified Wireless Technician

60 Questions Exam – 70 % Cut Score – Duration of 90 minutes

Table of Contents:

Know Your CWT-100 Certification Well:

The CWT-100 is best suitable for candidates who want to gain knowledge in the CWNP Wireless Network. Before you start your CWT-100 preparation you may struggle to get all the crucial Wi-Fi Technician materials like CWT-100 syllabus, sample questions, study guide.

But don't worry the CWT-100 PDF is here to help you prepare in a stress free manner.
The PDF is a combination of all your queries like-

- What is in the CWT-100 syllabus?
- How many questions are there in the CWT-100 exam?
- Which Practice test would help me to pass the CWT-100 exam at the first attempt?

Passing the CWT-100 exam makes you CWNP Certified Wireless Technician. Having the Wi-Fi Technician certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

CWNP CWT-100 Wi-Fi Technician Certification Details:

Exam Name	Wireless Technician
Exam Code	CWT-100
Exam Price	$150 USD
Duration	90 minutes
Number of Questions	60
Passing Score	70%
Recommended Training	**Live Training Class** **Official Study Guide** **Official E-Learning**
Exam Registration	**PEARSON VUE**
Sample Questions	**CWNP CWT-100 Sample Questions**
Practice Exam	**CWNP Certified Wireless Technician Practice Test**

CWT-100 Syllabus:

Section	Section
Basic RF Characteristics (15%)	
Describe RF signal characteristics	- Frequency - Amplitude - Phase - Wavelength
Explain RF behaviors and signal propagation	- Gain and loss - Reflection - Refraction - Scattering - Diffraction - Absorption - Free space path loss
Understand how to detect RF signal factors	- Wi-FI scanner tools - Client signal strength reports - RSSI vs. dBm - Output power vs. received signal strength
Create basic RF channel plans	- Available 2.4 GHz channels - Available 5 GHz channels - Regulatory constraints on channel selection - Best practices for channel selection - Co-Channel Interference (CCI)
Describe the basic differences among antenna types	- Omnidirectional - Semi-directional - Highly directional - Antenna mounting kits
Select the appropriate external antenna when required	- Antenna pattern charts - Antenna cables and connectors - Passive antenna gain
WLAN Client Features and Capabilities (25%)	
Describe client types and varying capabilities	- Laptops - Tablets - Mobile phones - Desktops

	- Specialty devices (video cameras, Wi-Fi peripheral connections, printers, IoT, etc.)
Explain the basic WLAN location processes	- Passive scanning - Active scanning
Describe the basic steps required in the WLAN connection process	- Authentication - Association - 802.1X/EAP authentication - 4-way handshake
Determine the channels and streams supported by client devices	- 2.4 GHz channels - 5 GHz channels - Channel widths - Number of spatial streams (1x1, 2x2, 3x3, etc.)
Configure client devices	- Configure client drivers for optimum performance (band preference, roaming threshold, regulatory domain, etc.) - Configure various client operating systems for wireless connectivity 1. Windows 2. Mac OS 3. Chrome OS 4. Linux 5. Tablets and mobile phones (iOS and Android)
WLAN AP Features and Capabilities (25%)	
Identify AP features and capabilities and understand configuration options related to them	- PHY support - Single-band vs. dual-band - Output power control - Operational modes - Multiple-SSID support - Guest access - Security features - Management interfaces (web-based, CLI, remote CLI) - Internal and external antennas - PoE support

Select appropriate mounting kits for a specified installation location	- Wall mount - Pole/mast mount - Ceiling mount
Ensure proper PoE provisioning when required	- Power levels required - PoE switches - PoE injectors - Testing power availability
Configure APs as standalone devices	- Admin account credentials - Administration interfaces - Wireless network profiles - Security parameters, including authentication, authorization and encryption
Validate AP wired interface connectivity	- IP configuration - Internet access - Infrastructure service access - Appropriate Ethernet switch port settings
Validate proper AP WLAN configuration	- Client connectivity - Accurate security settings - Client throughput performance
Configuration of 802.11 Security Parameters (15%)	
Understand the basics of 802.11 standard security solutions	- WPA vs. WPA2 - Personal vs. Enterprise - Pre-Shared Key - 802.1X/EAP - Common EAP methods
Identify legacy security technologies that should not be used	- WEP - Shared Key Authentication - Hidden SSIDs - MAC filtering
Configure security parameters in an AP	- Pre-Shared Key - RADIUS server - 802.1X/EAP - WPA-WPA2
Configure security parameters in a client device	- Pre-Shared Key - 802.1X/EAP - WPA/WPA2

Troubleshooting Common WLAN Connection Issues (20%)	
Troubleshoot connectivity problems	- Configuration errors - Interference - Poor signal strength - Driver issues - Supplicant issues - Feature incompatibility
Troubleshoot performance problems	- Configuration errors - Interference - Low data rates - Co-channel interference (CCI)
Troubleshoot security problems	- Configuration errors - Incorrect passphrases - Incompatible EAP methods
Troubleshoot mobility problems	- Configuration errors - Improper network settings - Unsupported fast roaming methods - Non-implemented roaming features

CWNP CWT-100 Sample Questions:

Question: 1

At what point is RF power typically stipulated in milliwatts?

a) At the transmitter
b) Fifty feet from the transmitter
c) At the receiver
d) One hundred feet from the transmitter

Answer: a

Question: 2

What can occur when two copies of a signal wave arrive at the receiver at the same time, but 180 degrees out of phase which each other?

a) Increased signal amplitude
b) Bits may be added to the total count
c) Increased signal strength
d) Signal nulling or cancellation

Answer: d

Question: 3

You use 802.1X/EAP for all WLAN authentication in your network. You have several VoIP handsets that work well until they have to roam from one AP to another. When they roam, calls are often dropped or call quality is significantly diminished.

What is the most likely cause of this problem?

a) Wrong passphrase entered on the VoIP handsets
b) Non-implemented roaming features on the APs
c) Wrong SSID used by the VoIP handsets
d) Wrong certificate installed on the VoIP handsets

Answer: b

Question: 4

What kind of authentication is used by WPA2-Enterprise implementations?

a) WEP
b) Preshared key
c) 802.1X/EAP
d) Passphrase

Answer: c

Question: 5

You are receiving reports from several users that their clients connect with very low data rates. All reports are confined to a particular area in the facility and the users report that the problem does not occur with the same devices in other areas. What is most likely problem in that area?

a) High SNR
b) Improper AP security configuration
c) Poor signal strength
d) Improper client security configuration

Answer: c

Question: 6

When configuring an AP or controller, what is the collection of settings that define radio operations and the parameters for the BSS?

a) WLAN profile
b) LAN configuration
c) Admin account credentials
d) WAN configuration

Answer: a

Question: 7

In what way are 802.11 channels defined?

a) By a high frequency and channel width
b) By channel width alone
c) By a center frequency and channel width
d) By a low frequency and channel width

Answer: b

Question: 8

What protocol is sometimes used to access a network or user directory by a RADIUS server instead of using an internal user database?

a) DHCP
b) NTP
c) EAP
d) LDAP

Answer: d

Question: 9

How many non-overlapping 20 MHz channels are available in the 5 GHz frequency band assuming the regulatory domain allows them all?

a) 11
b) 25
c) 24
d) 14

Answer: c

Question: 10

What best describes passive scanning used to locate WLANs?

a) Sending probe requests and listening for probe responses
b) Scanning in only on frequency band
c) Listening for beacon frames from the APs
d) Scanning on only one channel

Answer: c

Study Guide to Crack CWNP Wi-Fi Technician CWT-100 Exam:

- Getting details of the CWT-100 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the CWT-100 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the CWNP provided training for CWT-100 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the CWT-100 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on CWT-100 practice tests is must. Continuous practice will make you an expert in all syllabus areas.