



CWNP CWT-101

CWNP Wi-Fi Technician Certification Questions & Answers

Exam Summary – Syllabus – Questions

CWT-101

[CWNP Certified Wireless Technician](#)

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

Table of Contents:

Know Your CWT-101 Certification Well:.....	2
CWNP CWT-101 Wi-Fi Technician Certification Details:...	2
CWT-101 Syllabus:	3
Basic RF Characteristics (15%)	3
Wireless Device Features and Capabilities (25%)	3
Wireless Protocol Features and Capabilities (25%)	4
Configuration of Security Parameters (15%).....	5
Troubleshooting Common Wireless Connection Issues (20%)	5
CWNP CWT-101 Sample Questions:	6
Study Guide to Crack CWNP Wi-Fi Technician CWT-101 Exam:	9

Know Your CWT-101 Certification Well:

The CWT-101 is best suitable for candidates who want to gain knowledge in the CWNP Wireless Network. Before you start your CWT-101 preparation you may struggle to get all the crucial Wi-Fi Technician materials like CWT-101 syllabus, sample questions, study guide.

But don't worry the CWT-101 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-101 syllabus?
- How many questions are there in the CWT-101 exam?
- Which Practice test would help me to pass the CWT-101 exam at the first attempt?

Passing the CWT-101 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-101 Wi-Fi Technician Certification Details:

Exam Name	Wireless Technician
Exam Code	CWT-101
Exam Price	\$150 USD
Duration	90 minutes
Number of Questions	60
Passing Score	70%
Recommended Training	Live Training Class Self-Paced Training Kit Study and Reference Guide Electronic Practice Test eLearning Module eLearning Bundle
Exam Registration	PEARSON VUE

Sample Questions	<u>CWNP CWT-101 Sample Questions</u>
Practice Exam	<u>CWNP Certified Wireless Technician Practice Test</u>

CWT-101 Syllabus:

Section	Objectives
Basic RF Characteristics (15%)	
Describe RF signal characteristics	<ul style="list-style-type: none"> - Frequency - Amplitude - Phase - Wavelength
Explain RF behaviors and signal propagation	<ul style="list-style-type: none"> - Gain and loss - Reflection - Refraction - Scattering - Free space path loss
Understand how to detect RF signal factors	<ul style="list-style-type: none"> - Wireless scanner tools - Client signal strength reports - RSSI vs. dBm - Output power vs. received signal strength
Understand basic RF channel plans	<ul style="list-style-type: none"> - Available channels by protocol - Regulatory constraints on channel selection - Best practices for channel selection - Co-Channel Interference (CCI) and Co-Channel Contention (CCC)
Describe the basic differences among antenna types	<ul style="list-style-type: none"> - Omnidirectional - Semi-directional - Highly directional - Antenna mounting kits
Use the appropriate external antenna when required	<ul style="list-style-type: none"> - Antenna pattern charts - Antenna cables and connectors - Passive antenna gain
Wireless Device Features and Capabilities (25%)	
Describe device types and varying capabilities	<ul style="list-style-type: none"> - Laptops - Tablets - Mobile phones

Section	Objectives
	<ul style="list-style-type: none"> - Desktops - Specialty devices (video cameras, Wi-Fi peripheral connections, printers, IoT, etc.)
Explain the basic WLAN location processes for 802.11 wireless networks	<ul style="list-style-type: none"> - Passive scanning - Active scanning
Describe the basic steps required in the WLAN connection process for 802.11 wireless networks	<ul style="list-style-type: none"> - Authentication - Association - 802.1X/EAP authentication - 4-way handshake
Determine the RF features supported by client and IoT devices	<ul style="list-style-type: none"> - Supported channels - Channel widths - Transmit power - Receive sensitivity
Configure client and IoT devices	<ul style="list-style-type: none"> - Configure client drivers for optimum performance (band preference, roaming threshold, regulatory domain, etc.) for 802.11 devices <ul style="list-style-type: none"> • Configure various client operating systems for wireless connectivity with 802.11 devices <ul style="list-style-type: none"> Windows macOS Chrome OS Linux Tablets and mobile phones (iOS and Android) - Configure various IoT devices based on the supported protocol <ul style="list-style-type: none"> • Provisioning • Network join • Security
Wireless Protocol Features and Capabilities (25%)	
Identify 802.11 AP features and capabilities and understand configuration options related to them	<ul style="list-style-type: none"> - PHY and frequency band support - Single-band vs. dual-band - Output power control - Operational modes - Multiple-SSID support

Section	Objectives
	<ul style="list-style-type: none"> - Guest access - Security features - Management interfaces (web-based, CLI, remote CLI) - Internal and external antennas - PoE support
Use appropriate 802.11 AP mounting kits for a specified installation location	<ul style="list-style-type: none"> - Wall mount - Pole/mast mount - Ceiling mount
Ensure proper PoE provisioning for 802.11 APs and other wireless devices, when required	<ul style="list-style-type: none"> - Power levels required - PoE switches - PoE injectors - Testing power availability
Ensure IoT devices support the appropriate protocols and configuration	<ul style="list-style-type: none"> - Common wireless IoT protocols - Use cases for wireless IoT protocols
Configuration of Security Parameters (15%)	
Understand the basics of 802.11 standard security solutions	<ul style="list-style-type: none"> - WPA vs. WPA2 vs. WPA3 - Personal vs. Enterprise - 6 GHz security requirements - Pre-Shared Key - 802.1X/EAP - Common EAP methods
Identify legacy security technologies that should not be used	<ul style="list-style-type: none"> - WEP - Shared Key Authentication - Hidden SSIDs - MAC filtering
Understand the basic security options available for common wireless IoT protocols	
Troubleshooting Common Wireless Connection Issues (20%)	
Troubleshoot connectivity problems	<ul style="list-style-type: none"> - Configuration errors - Interference - Poor signal strength - Driver issues - Supplicant issues - Feature incompatibility

Section	Objectives
Troubleshoot performance problems	<ul style="list-style-type: none">- Configuration errors- Interference- Low data rates- Co-channel interference (CCI) and Co-channel contention (CCC)
Troubleshoot security problems	<ul style="list-style-type: none">- Configuration errors- Incorrect passphrases- Incompatible EAP methods- Incorrect network keys- Incorrect join keys
Troubleshoot mobility problems	<ul style="list-style-type: none">- Configuration errors- Improper network settings- Unsupported fast roaming methods- Non-implemented roaming features

CWNP CWT-101 Sample Questions:

Question: 1

At what point is RF power typically stipulated in milliwatts?

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

Answer: c

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 with each other?

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

Answer: a

Question: 3

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

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

Answer: d

Question: 4

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: 5

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: 6

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: 7

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: 8

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: 9

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: 10

What best describes passive scanning used to locate WLANs?

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

Answer: a

Study Guide to Crack CWNP Wi-Fi Technician CWT-101 Exam:

- Getting details of the CWT-101 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-101 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-101 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-101 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-101 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for CWT-101 Certification

Make NWExam.com your best friend during your Wireless Technician exam preparation. We provide authentic practice tests for the CWT-101 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual CWT-101 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the CWT-101 exam.

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