



CWNP CWS-100

CWNP Wi-Fi Specialist Certification Questions & Answers

Exam Summary – Syllabus – Questions

CWS-100

[CWNP Certified Wireless Specialist](#)

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

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Know Your CWS-100 Certification Well:

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

But don't worry the CWS-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 CWS-100 syllabus?
- How many questions are there in the CWS-100 exam?
- Which Practice test would help me to pass the CWS-100 exam at the first attempt?

Passing the CWS-100 exam makes you CWNP Certified Wireless Specialist. Having the Wi-Fi Specialist 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 CWS-100 Wi-Fi Specialist Certification Details:

Exam Name	Wireless Specialist
Exam Code	CWS-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 CWS-100 Sample Questions
Practice Exam	CWNP Certified Wireless Specialist Practice Test

CWS-100 Syllabus:

Section	Objectives
Understand Basic RF Hardware and Functions (15%)	
Identify RF characteristics	<ul style="list-style-type: none"> - RF waves - Amplitude - Frequency - Wavelength
Explain basic RF behaviors	<ul style="list-style-type: none"> - Reflection - Absorption - Signal strength
Understand antenna types	<ul style="list-style-type: none"> - Omnidirectional - Semi-directional - Highly directional - Internal vs. external
Identify 802.11 Features and Functions (30%)	
Know the frequency bands used	<ul style="list-style-type: none"> - 2.4 GHz – 802.11b/g/n - 5 GHz – 802.11a/n/ac - Sub-1 GHz – 802.11ah - 60 GHz – 802.11ad
Identify Physical Layer (PHY) characteristics	<ul style="list-style-type: none"> - Data rates - Bands used - Supported technologies (laptops, tablets, video devices, Internet of Things (IoT))
Select appropriate channels	<ul style="list-style-type: none"> - Channel selection best practices - Common channel selection mistakes
Identify factors impacting wireless LAN (WLAN) performance	<ul style="list-style-type: none"> - Coverage requirements - Capacity requirements - Required features - Poor configuration and implementation
Explain the basic differences between WPA and WPA2 security	<ul style="list-style-type: none"> - Authentication and key management - Encryption - Personal vs. Enterprise
Describe features of enhanced 802.11 functions	<ul style="list-style-type: none"> - Mesh - Quality of Services (QoS) - SISO vs. MIMO

Section	Objectives
	<ul style="list-style-type: none"> - Dynamic Rate Switching (DRS) - Backwards compatibility
<p>Identify Wireless LAN Hardware and Software (30%)</p>	
<p>Identify AP features and capabilities</p>	<ul style="list-style-type: none"> - PHY support - Single-band vs. dual-band - Output power control - Operational modes - Multiple-SSID support - Guest access - Security features - Management interfaces - Internal and external antennas - PoE support
<p>Describe AP management systems</p>	<ul style="list-style-type: none"> - Autonomous - Controller - Cloud - Management systems
<p>Determine capabilities of client devices</p>	<ul style="list-style-type: none"> - PHY support - Single-band vs. multi-band - Support for MIMO - Supported channels in 5 GHz - Supported security options
<p>Identify when Power over Ethernet (PoE) should be used</p>	
<p>Explain the requirements of fast and secure roaming for non-technical professionals</p>	<ul style="list-style-type: none"> - Latency requirements for streaming communications - Pre-authentication - Key caching methods
<p>Understand the basic requirements for voice over WLAN (VoWLAN)</p>	<ul style="list-style-type: none"> - Latency - Jitter - Signal strength
<p>Determine the best solution for BYOD and guest access</p>	<ul style="list-style-type: none"> - User provisioning - Captive portals - Device and software control solutions

Section	Objectives
Understand Organizational Goals (25%)	
Understand issues in common vertical markets	<ul style="list-style-type: none"> - Standard Enterprise Offices - Healthcare - Hospitality - Conference Centers - Education - Government - Retail - Industrial - Emergency Response - Temporary Deployments - Small Office/Home Office (SOHO) - Public Wi-Fi
Gather information about existing networks	<ul style="list-style-type: none"> - Network diagrams - Wi-Fi implementations - Neighbor networks - Available network services - PoE availability
Discover coverage and capacity needs	<ul style="list-style-type: none"> - Define coverage areas - Define capacity zones
Discover client devices and applications in use	<ul style="list-style-type: none"> - Laptops, tablets, mobile phones, desktops, and specialty devices - Real-time applications - Standard applications (e-mail, web browsing, database access, etc.) - Data-intensive applications (file downloads/uploads, cloud storage, cloud backup, etc.)
Determine the need for outdoor coverage networks and bridge links	<ul style="list-style-type: none"> - Bridge link distance and required throughput - Outdoor areas requiring coverage - Use cases for outdoor access
Define security constraints	<ul style="list-style-type: none"> - Regulatory - Industry standards and guidelines - Organizational policies

Section	Objectives
Discover use cases and access types	- Authorized users - Onboarded guest access - Public Wi-Fi
Match organizational goals to WLAN features and functions	

CWNP CWS-100 Sample Questions:

Question: 1

What must be defined in order to properly determine capacity requirements?

- a) Number of devices alone
- b) Number of devices and application characteristics
- c) Firmware version on neighboring network APs
- d) Application characteristics alone

Answer: b

Question: 2

A tablet is a single stream client with one radio and one antenna. What 802.11 features is definitely not supported on this device?

- a) MIMO (Multiple-Input/Multiple-Output)
- b) DRS (Dynamic Rate Switching)
- c) Authentication
- d) Association

Answer: a

Question: 3

You have a switch supporting 802.3at and you must power an AP that is 40 meters from the switch. What can be used to provide power to the AP?

- a) Transmit Power Control (TCP)
- b) Radio Resource Management (RRM)
- c) Power over Ethernet (PoE)
- d) Quality of Service (QoS)

Answer: c**Question: 4**

RF waves are comprised of what two fields?

- a) Electric and magnetic
- b) Frequency and wavelength
- c) Phase and amplitude
- d) Phase and frequency

Answer: a**Question: 5**

What is the maximum data rate of the original 802.11 standard DSSS PHY (Physical Layer)?

- a) 54 Mbps
- b) 1 Mbps
- c) 11 Mbps
- d) 2 Mbps

Answer: d**Question: 6**

Where is an omnidirectional antenna typically placed for best results?

- a) Above the target coverage area
- b) The edge of the target coverage area
- c) Beneath the target coverage area
- d) The center of the target coverage area

Answer: d**Question: 7**

When controller-based APs are used, where is the WLAN defined?

- a) In the controller
- b) In the master AP and it is then copied to all other APs
- c) In the first AP and it is then copied to all other APs
- d) In each individual AP

Answer: a

Question: 8

Which one of the following is an example of an antenna used mostly for bridge links?

- a) Panel
- b) Omnidirectional
- c) Parabolic dish
- d) Patch

Answer: c

Question: 9

In what frequency band does an 802.11g (ERP) device operate?

- a) 60 GHz
- b) 2.4 GHz
- c) 5 GHz
- d) Sub-1 GHz

Answer: b

Question: 10

What kind of antenna is most frequently used with indoor APs?

- a) Grid
- b) Parabolic dish
- c) Internal
- d) Yagi

Answer: c

Study Guide to Crack CWNP Wi-Fi Specialist CWS-100 Exam:

- Getting details of the CWS-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 CWS-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 CWS-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 CWS-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 CWS-100 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for CWS-100 Certification

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