CWNP CWS-101

CWNP Wi-Fi Specialist Certification Questions & Answers

Exam Summary – Syllabus – Questions

CWS-101

CWNP Certified Wireless Specialist

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

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Know Your CWS-101 Certification Well:

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

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

Passing the CWS-101 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-101 Wi-Fi Specialist Certification Details:

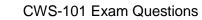| Exam Name	Wireless Specialist
Exam Code	CWS-101
Exam Price	$150 USD
Duration	90 minutes
Number of Questions	60
Passing Score	70%
Recommended Training	**Live Training Class** **Self-Paced Training Kit** **Study and Reference Guide** **Electronic Practice Test** **eLearning Modules** **eLearning Bundle**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

Sample Questions	**CWNP CWS-101 Sample Questions**
Practice Exam	**CWNP Certified Wireless Specialist Practice Test**

CWS-101 Syllabus:

Section	Objectives
Understand Basic RF Characteristics (15%)	
Identify RF characteristics	- RF waves - Amplitude - Frequency - Wavelength
Explain basic RF behaviors	- Reflection - Absorption - Signal strength
Understand antenna types	- Omnidirectional - Semi-directional - Highly directional - Internal vs. external
Identify Wireless Networking Features and Functions (30%)	
Know the frequency bands used by common wireless protocols	- Sub-1 GHz - 2.4 GHz - 5 GHz - 6 GHz - Above 7 GHz
Identify Physical Layer (PHY) characteristics	- Data rates - Channel widths and center frequencies
Select appropriate channels	- Channel selection best practices - Common channel selection mistakes
Identify factors impacting wireless network performance	- Coverage or link requirements - Capacity requirements - Required features - Poor configuration and implementation
Explain the basic security solutions used	- Authentication and key management - Encryption

Section	Objectives
Identify Wireless Hardware and Software (30%)	
Identify APs, coordinators, gateways, and controller features and capabilities	- Routing - Security - Network management - Connection interfaces - Device management solutions - Internal and external antennas - PoE support
Describe wireless network management systems	- Autonomous - Controller - Cloud - Custom or third-party management systems
Determine capabilities of network client or IoT devices	- Protocol support - Power provisioning - Sensor support - Security options - Mobile vs. stationary
Identify when Power over Ethernet (PoE) should be used	
Understand the basic requirements for voice over wireless networks	- Latency - Jitter - Signal strength
Determine the best solution for BYOD and guest access in wireless LANs	- User provisioning - Captive portals - Device and software control solutions
Understand Organizational Goals (25%)	
Understand issues in common vertical markets	- Standard Enterprise Offices - Healthcare - Hospitality - Conference Centers - Education - Government - Retail - Industrial - Emergency Response

Section	Objectives
	- Temporary Deployments - Small Office/Home Office (SOHO) - Public Wi-Fi
Identify information sources related to existing networks	- Network diagrams - Wi-Fi implementations - IoT network implementations - Neighbor networks - Available network services - PoE availability
Discover coverage/link and capacity needs from a functional perspective	- Define coverage areas - Define capacity zones - Define link requirements
Discover client devices, IoT devices, and applications in use	- 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.) - IoT sensors - IoT actuators
Determine the need for outdoor coverage networks, outdoor IoT connections, and bridge links	- Bridge link distance and required throughput - Outdoor areas requiring coverage - Use cases for outdoor access - Outdoor IoT connectivity options
Define security constraints	- Regulatory - Industry standards and guidelines - Organizational policies
Discover use cases and access types	- Authorized users - Onboarded guest access - Public Wi-Fi - Monitoring and control (IoT devices)
Match organizational goals to wireless network features and functions	

CWNP CWS-101 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

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: 4

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: 5

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: 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-101 Exam:

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

Reliable Online Practice Test for CWS-101 Certification

Make NWExam.com your best friend during your Wireless Specialist exam preparation. We provide authentic practice tests for the CWS-101 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual CWS-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 CWS-101 exam.

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