



# N10-005<sup>Q&As</sup>

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**QUESTION 1**

Which of the following network topologies describes a network where each node is connected to multiple devices?

- A. Mesh
- B. Bus
- C. Star
- D. Ring

Correct Answer: A

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**QUESTION 2**

192.168.0.7/8 notation denotes which of the following IPv4 subnet masks?

- A. 255.0.0.0
- B. 255.255.0.0
- C. 255.255.255.0
- D. 255.255.255.255

Correct Answer: A

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**QUESTION 3**

A user has network connectivity per the link lights on the NIC, but cannot access any network resources or the Internet. Which of the following commands should the technician run FIRST?

- A. arp
- B. ipconfig
- C. tracert
- D. route

Correct Answer: B

As from ipconfig command technician will come to know wheather he has assigned right ip address to NIC or not.

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**QUESTION 4**

Which of the following network protocols is used for a secure command line interface for management of network devices?

- A. SSH
- B. TELNET
- C. IGMP
- D. HTTP

Correct Answer: A

Secure Shell is a cryptographic network protocol for secure data communication, remote command-line login, remote command execution, and other secure network services between two networked computers.

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**QUESTION 5**

An 802.11a wireless network is functioning at which of the following frequencies?

- A. 1.0 GHz
- B. 1.5 GHz
- C. 2.4 GHz
- D. 5.0 GHz

Correct Answer: D

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**QUESTION 6**

Which of the following reside at a minimum of Layer 3 of the OSI model? (Select TWO).

- A. Hub
- B. Switch
- C. MAC address
- D. IP address
- E. Router

Correct Answer: DE

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**QUESTION 7**

Which of the following is a requirement for bridging with 802.11a?

- A. WPA encryption
- B. Governmental licenses
- C. High gain yagi antennas
- D. Clear line of sight

Correct Answer: D

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**QUESTION 8**

A user needs maximum distance in a wireless connection. Which of the following should be configured to meet this goal?

- A. 802.11a at 54Mbps
- B. 802.11b at 1Mbps
- C. 802.11g at 11Mbps
- D. 802.11n at 130Mbps

Correct Answer: B

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**QUESTION 9**

The network administrator installed a new dipole antenna that extends 100 feet (30.48 meters) from the existing AP. All components are correct, functional, and installed properly. However, during validation, there is a very weak signal coming from the antenna.

Which of the following is the MOST likely cause of the issue?

- A. The installation exceeds the link limitations
- B. The antenna is mounted for vertical polarization
- C. The dBi output of the antenna is too low
- D. The radio is too powerful for the installation

Correct Answer: A

Unlike isotropic antennas, dipole antennas are real antennas. Dipole antennas have a different radiation pattern compared to isotropic antennas. The dipole radiation pattern is 360 degrees in the horizontal plane and 75 degrees in the vertical plane (assuming the dipole antenna is standing vertically) and resembles a donut in shape. Because the beam is "slightly" concentrated, dipole antennas have a gain over isotropic antennas of 2.14 dB in the horizontal plane.



Dipole antennas are said to have a gain of 2.14 dBi (in comparison to an isotropic antenna).

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**QUESTION 10**

Which of the following port numbers is used for SNMP?

- A. 61
- B. 151
- C. 161
- D. 1611

Correct Answer: C

Simple Network Management Protocol (SNMP) is an "Internet-standard protocol for managing devices on IP networks". Devices that typically support SNMP include routers, switches, servers, workstations, printers, modem racks, UPSes and more. It is used mostly in network management systems to monitor network-attached devices for conditions that warrant administrative attention.

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**QUESTION 11**

Which of the following WAN technologies utilizes an optical SONET carrier and has a maximum bandwidth of 155.54Mbps?

- A. DS3
- B. E3
- C. OC3
- D. T3

Correct Answer: C

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**QUESTION 12**

A technician is setting up a wireless access point and wants to keep it as secure as possible. Which of the following settings should be configured for security purposes? (Select TWO).

- A. Channel
- B. Encryption
- C. Diversity
- D. SSID broadcast



E. Frequency

Correct Answer: BD

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### QUESTION 13

Which of the following assists a network administrator in reverse engineering malware and viruses?

- A. Virtual switches
- B. Virtual machines
- C. VLANs
- D. IDS

Correct Answer: B

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### QUESTION 14

In a small office environment, one computer is set up to provide Internet access to three other computers that are not interconnected. This is an example of which of the following topology types?

- A. Peer-to-peer
- B. Point-to-multipoint
- C. Hybrid
- D. Point-to-point

Correct Answer: B

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### QUESTION 15

An administrator can use packet tags to configure which of the following?

- A. VLAN
- B. NAT
- C. PoE
- D. QoS



Correct Answer: D

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