# – Network Troubleshooting

1. The Internet is an example of which type of network?

A. LAN

B. SAN

C. WAN

D. WLAN

2. What is the suggested maximum number of PCs in a peer-to-peer network?

A. 10

B. 25

C. 50

D. 100

3. Which method of data transfer allows information to be sent and received at the same

time?

A. Full duplex

B. Half duplex

C. Multiplex

D. Simplex

4. Which dotted-decimal number is used to distinguish the network portion of the IP

address from the host portion?

A. Default gateway

B. MAC address

C. Physical address

D. Subnet mask

5. Which suite of protocols is used to transmit data across the Internet?

A. AppleTalk

B. ARP

C. DNS

D. IPX/SPX

E. TCP/IP

6. Which cable type is a common choice for use on Ethernet networks?

A. Thick coaxial

B. Thin coaxial

C. STP

D. UTP

7. Which networking protocol translates a network name such as www.cisco.com into a

unique IP address?

A. APIPA

B. ARP

C. DHCP

D. DNS

E. Proxy ARP

8. Which protocol maps known IP addresses to MAC addresses on a local network?

A. ARP

B. DHCP

C. FTP

D. RARP

9. A technician wants to update the NIC driver for a computer. What is the best way to

find new drivers for the NIC?

A. Installation media that came with the NIC

B. Windows Update

C. The website for the manufacturer of the NIC

D. The Microsoft website

10. What is the most commonly used DSL technology?

A. ADSL

B. HDSL

C. IDSL

D. SDSL

E. VDSL

1. Which of the following IP addresses has a default subnet mask of 255.255.255.0?
2. 10.45.65.78
3. 132.107.2.34
4. 48.123.45.67
5. 216.83.24.56
6. How many bits are there in the Ethernet address?
   1. 64 bits
   2. 48 bits
   3. 32 bits
   4. 16 bits

13.Which address on a PC does not change, even if the PC is moved to a different network?

1. IP address
2. default gateway address
3. MAC address
4. logical address

14.Which technology provides a solution to IPv4 address depletion by allowing multiple devices to share one public IP address?

1. ARP
2. DNS
3. NAT
4. SMB

15. A technician uses the ping 127.0.0.1 command. What is the technician testing?

1. the TCP/IP on own network host
2. connectivity between two adjacent Cisco devices
3. connectivity between a PC and the default gateway
4. connectivity between two PCs on the same network
5. physical connectivity of a particular PC and the network

# Answers

1. C

2. A

3. A

4. D

5. E

6. D

7. D

8. A

9. C

10. A

11.D

12.B

13.C

14.C

15.A