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Vendor: Microsoft

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Version: Demo

QUESTION 1

One advantage of dynamic routing is that it:

- A. Automatically maintains routing tables.
- B. Limits traffic derived from routing protocols.
- C. Reduces broadcast traffic.
- D. Automatically enables DHCP.

Correct Answer: A

QUESTION 2

Which of the following represents a Media Access Control (MAC) address?

- A. GV:ZC:KK:DK:FZ:CA
- B. 255.255.255.0
- C. 05:35:AB:6E:A1:25
- D. 127.0.0.1

Correct Answer: C

QUESTION 3

Connecting to a private network address from a public network requires:

- A. Network address translation (NAT).
- B. Dynamic Host Configuration Protocol (DHCP).
- C. Network Access Protection (NAP).
- D. Dynamic domain name system (DDNS).

Correct Answer: A

QUESTION 4

A network device that associates a Media Access Control (MAC) address with a port is a:

- A. DSL modem
- B. Hub
- C. Router
- D. Switch

Correct Answer: D

QUESTION 5

A Layer 2 device that connects multiple computers within a network is a:

- A. Repeater
- B. Switch
- C. Router
- D. Packet

Correct Answer: B

QUESTION 6

A cable that meets the 1000BaseT standard has a maximum length of:

- A. 100 m
- B. 250 m

- C. 500 m
- D. 1,000 m

Correct Answer: A

QUESTION 7

A router's static route is set by the:

- A. Adjacent network
- B. Next upstream router
- C. Network administrator
- D. Routing protocol

Correct Answer: C

QUESTION 8

Which setting is used to determine the Domain Name System (DNS) settings on a client computer?

- A. TELNET
- B. NSLOOKUP
- C. PATHPING
- D. NETSTAT

Correct Answer: B

QUESTION 9

The default subnet mask for a Class B network is:

- A. 0.0.0.255
- B. 0.0.255.255
- C. 255.0.0.0
- D. 255.255.0.0

Correct Answer: D

QUESTION 10

The default port used for SMTP is:

- A. 23
- B. 25
- C. 80
- D. 8080

Correct Answer: B

QUESTION 11

The ping tool is used to: (Choose two.)

- A. Determine the network portion of a host address.
- B. Self-test a host's own network interface.
- C. Determine whether a host is reachable.
- D. Manage a host's session when UDP is used.

Correct Answer: BC

QUESTION 12

Which of the following are features of DHCP? (Choose two.)

- A. IP address resolution to canonical names
- B. Secure shell connections
- C. Address reservation
- D. Network file transfer
- E. IP address exclusion

Correct Answer: CE

QUESTION 13

The command-line tool used to list a host's active incoming connections is:

- A. NETSTAT
- B. IPCONFIG
- C. NSLOOKUP
- D. PING

Correct Answer: A

QUESTION 14

A computer that has an IP address of 169.254.0.1 cannot access the network.

Which of the following services should you confirm is available?

- A. WINS
- B. DNS
- C. DHCP
- D. TFTP

Correct Answer: C

QUESTION 15

Which network does the IP address 220.100.100.100 belong to?

- A. 220.100.100.0/24
- B. 220.100.100.1/24
- C. 255.255.255.0/24
- D. 255.255.255.1/24

Correct Answer: A

QUESTION 16

Which subnet mask is valid?

- A. 255.255.255.240
- B. 255.255.255.228
- C. 255.255.255.164
- D. 255.255.255.245

Correct Answer: A

QUESTION 17

A service that resolves NetBIOS names to IP addresses is:

- A. Domain Name Service (DNS).
- B. Internet Service Provider (ISP).
- C. Address Resolution Protocol (ARP).

D. Windows Internet Name Service (WINS).

Correct Answer: D

QUESTION 18

What type of DNS record maps host names to addresses?

- A. Mail Exchanger (MX) DNS record
- B. Service (SRV) DNS record
- C. Host (A) DNS record
- D. Canonical (CNAME) DNS record

Correct Answer: C

QUESTION 19

Teredo tunneling is a protocol that:

- A. Translates Internet Protocol version 4 (IPv4) to Internet Protocol version 6 (IPv6).
- B. Allows IPv6 connectivity through IPv4 devices.
- C. Provides VPN security.
- D. Dynamically allocates IPv6 addresses.

Correct Answer: B

QUESTION 20

What is the default subnet mask for a Class C Internet network?

- A. 255.255.255.252
- B. 255.255.255.240
- C. 255.255.255.192
- D. 255.255.255.0

Correct Answer: D

QUESTION 21

The default port used for telnet is:

- A. 23
- B. 25
- C. 80
- D. 8080

Correct Answer: A

QUESTION 22

When a client's DHCP-issued address expires, the client will:

- A. Select a new address and request approval from the DHCP server.
- B. Require manual configuration with a static IP address.
- C. Attempt to obtain a new address by broadcasting.
- D. Continue to use the address until it is notified to stop.

Correct Answer: C

QUESTION 23

You ping a server by using fully qualified domain name (FQDN) and do not receive a response. You then ping the same server by using its IP address and receive a response.

Why do you receive a response on the second attempt but not on the first attempt?

- A. PING is improperly configured.
- B. The DNS is not resolving.
- C. The DHCP server is offline.
- D. NSLOOKUP is stopped.

Correct Answer: B

QUESTION 24

A Media Access Control (MAC) address identifies a/an:

- A. UPnP device.
- B. Local broadcast domain.
- C. Network interface card (NIC).
- D. Local area network (LAN).

Correct Answer: C

QUESTION 25

Two companies want to share data by using the Internet.

Which type of network provides the solution?

- A. Ethernet
- B. Intranet
- C. Extranet
- D. Perimeter

Correct Answer: C

QUESTION 26

VPNs are implemented to provide:

- A. A secure connection within a private network.
- B. A secure connection through public networks.
- C. Additional encryption by using IPSec.
- D. Additional security for selected computers.

Correct Answer: B

QUESTION 27

If an 802.11g Internet connection has connectivity problems, what may be the cause?

- A. A cordless phone
- B. A cellular phone
- C. Incandescent lights
- D. Electromagnetic interference (EMI)

Correct Answer: D

QUESTION 28

Which of these factors has the biggest impact on data transmission speed in a wireless network?

- A. The access method used for the network
- B. The transmission standard of the equipment used
- C. The use of strong encryption for transmissions

D. The transmission wattage rating used on the NIC

Correct Answer: B

QUESTION 29

Which of the following uses a tunneling protocol?

- A. Internet
- B. VPN
- C. Extranet
- D. VLAN

Correct Answer: B

QUESTION 30

A network that separates an organization's private network from a public network is a/an:

- A. Firewall
- B. Extranet
- C. Perimeter
- D. Internet

Correct Answer: C

QUESTION 31

Which type of network is most vulnerable to intrusion?

- A. Dial-up
- B. Wireless
- C. Broadband
- D. Leased line

Correct Answer: B

QUESTION 32

Attenuation in a wireless network signal is a result of:

- A. Number of wireless nodes connected.
- B. Distance from the access point.
- C. Interference from cellular phones.
- D. Encryption of the signal.

Correct Answer: B

QUESTION 33

Which type of network covers the broadest area?

- A. WAN
- B. CAN
- C. LAN
- D. PAN

Correct Answer: A

QUESTION 34

In local area network (LAN) topologies, the primary media access methods are: (Choose two.)

- A. Contention
- B. Negotiation
- C. Kerberos
- D. Token passing

Correct Answer: AD

QUESTION 35

In a physical star topology, the central device is referred to as a:

- A. Bridge
- B. Server
- C. segmenter
- D. Hub

Correct Answer: D

QUESTION 36

Which technology can you use to extend an internal network across shared or public networks?

- A. VLAN
- B. Microsoft ASP-NET
- C. Microsoft .NET Framework
- D. VPN

Correct Answer: D

QUESTION 37

Which two are published IEEE 802.11 wireless transmission standards? (Choose two.)

- A. 802.11f
- B. 802.11g
- C. 802.11k
- D. 802.11m
- E. 802.11n

Correct Answer: BE

QUESTION 38

What happens when an 802.11b node starts broadcasting within the range of an 802.11g access point?

- A. The access point will transmit, but the node will be unable to receive.
- B. A connection will be established,
- C. Both the node and the access point will be unable to transmit.
- D. The node will transmit, but the access point will be unable to receive.

Correct Answer: B

QUESTION 39

Which technology provides the highest bit rate?

- A. T1
- B. E1
- C. DS3
- D. ISDN

Correct Answer: C

QUESTION 40

A VPN is a/an:

- A. Encrypted connection across the Internet.
- B. Virtual network within your local area network (LAN).
- C. Communication tunnel between VLANs.
- D. Personal network for your use only.

Correct Answer: A

QUESTION 41

Which of the following determines the media access method that is used in a network?

- A. Number of hosts connected to the network
- B. Number of domain servers on the segment
- C. Maximum speed of the media
- D. Topology and protocols

Correct Answer: D

QUESTION 42

Which wireless authentication method provides the highest level of security?

- A. Wired Equivalency Privacy (WEP)
- B. IEEE 802.11n
- C. WI-FI Protected Access (WPA)
- D. IEEE 802.11a

Correct Answer: C

QUESTION 43

The topology of a local area network (LAN) is defined by the:

- A. Number of devices to connect.
- B. Physical and logical characteristics.
- C. Distance between workstations.
- D. Type of cable being used.

Correct Answer: B

QUESTION 44

The maximum throughput of an 802.11g network is:

- A. 2.4 GHz.
- B. 54 GHz.
- C. 2.4 Mbps
- D. 54 Mbps.

Correct Answer: D

QUESTION 45

A node within a local area network (LAN) must have a network interface device and a:

- A. Network account
- B. Table of all network nodes
- C. Host address

D. Resource to share

Correct Answer: C

QUESTION 46

Which of the following is a Layer 2 WAN protocol?

- A. Point-to-Point Protocol (PPP)
- B. Simple Network Management Protocol (SNMP)
- C. Transmission Control Protocol (TCP)
- D. Internet Protocol (IP)

Correct Answer: A

QUESTION 47

Which type of port is used to support VLAN traffic between two switches?

- A. Virtual port
- B. WAN port
- C. Trunk port
- D. LAN port

Correct Answer: C

QUESTION 48

The protocol that maps IP addresses to a Media Access Control (MAC) address is:

- A. Internet Message Access Protocol (IMAP).
- B. Dynamic Host Configuration Protocol (DHCP).
- C. Routing Information Protocol (RIP).
- D. User Datagram Protocol (UDP).
- E. Address Resolution Protocol (ARP).

Correct Answer: E

QUESTION 49

A user reports that she cannot connect to network resources from a computer on the company network. The user was able to connect to the network resources yesterday.

You verify that the user's computer is properly physically connected to the network. You discover that the computer's IP address is 169.254.48.97.

You need to restore access to network resources.

What should you do next?

- A. Flush the cache on the DNS server.
- B. Reset the user's password on the server.
- C. Check your router's current routing tables.
- D. Verify that the DHCP service is available.

Correct Answer: D

QUESTION 50

The host name of the fully qualified domain name (FQDN) mail.exchange.corp.nwtraders.com is:

- A. corp

- B. com
- C. nwtraders
- D. exchange
- E. mail

Correct Answer: E

QUESTION 51

To which IP configuration does the CIDR notation 192.168.1.1/25 refer?

- A. 192.168.1.1 255.255.255.64
- B. 192.168.1.1 255.255.255.1
- C. 192.168.1.1 255.255.255.32
- D. 192.168.1.1 255.255.255.256
- E. 192.168.1.1 255.255.255.128

Correct Answer: E

QUESTION 52

Which command is used to verify that a server is connected to the network?

- A. IPCONFIG
- B. ROUTE
- C. PING
- D. CHECK

Correct Answer: C

QUESTION 53

Which of these represents the Internet Protocol version 6 (IPv6) loopback address?

- A. 127.0.0.1
- B. 192.168.0.1
- C. FEC0:A8C0::AA01
- D. ::1

Correct Answer: D

QUESTION 54

Which of these addresses is a multicast address?

- A. 127.0.0.1
- B. 169.254.0.1
- C. 192.168.0.1
- D. 224.0.0.1

Correct Answer: D

QUESTION 55

Which of the following uses pointer records and A records?

- A. IDS
- B. DNS Server
- C. NAT Server
- D. IPS

Correct Answer: B

QUESTION 56

The ipconfig command will:

- A. Configure routers
- B. Display a client's address
- C. Display a client's broadcast mode
- D. Configure DHCP clients

Correct Answer: B

QUESTION 57

One reason to incorporate VLANs in a network is to:

- A. Increase the number of available IP addresses.
- B. Increase the number of available Media Access Control (MAC) addresses.
- C. Reduce the number of broadcast domains.
- D. Reduce the number of nodes in a broadcast domain.

Correct Answer: D

QUESTION 58

Which of these is an application layer protocol?

- A. TCP
- B. FTP
- C. IP
- D. UDP

Correct Answer: B

QUESTION 59

The top-level domain of www.adventureworks.com is:

- A. www
- B. adventureworks
- C. adventureworks.com
- D. com

Correct Answer: D

QUESTION 60

At what layer in the OSI model are hardware addresses referenced?

- A. Network
- B. Application
- C. Data link
- D. Physical

Correct Answer: C

QUESTION 61

You need to divide a network into three subnets. Which device should you use?

- A. Hub
- B. Bridge

- C. Router
- D. Segmenter

Correct Answer: C

QUESTION 62

The type of connector used on a 100BaseT Ethernet cable is:

- A. RJ-11
- B. RJ-45.
- C. TNC.
- D. BNC.

Correct Answer: B

QUESTION 63

In addition to switching, multilayer switches also:

- A. Provide Layer 3 routing functions.
- B. Interface with CAT3, CAT5, CAT5e, and fiber optics.
- C. Support 10 MB, 100 MB, and 1 GB local area network (LAN) ports.
- D. Operate by using only Layer 1 and 2 protocols.

Correct Answer: A

QUESTION 64

One reason to replace an unmanaged switch with a managed switch is to:

- A. Manage the routing tables.
- B. Support multiple VLANs.
- C. Reduce collision domains.
- D. Route between networks,

Correct Answer: B

QUESTION 65

To directly connect the Ethernet network interface cards (NICs) of two computers, you should use a:

- A. Crossover cable
- B. Straight cable
- C. Rollover cable
- D. Coaxial cable

Correct Answer: A

QUESTION 66

The function of a router is to:

- A. Provide IP subnet masks for hosts.
- B. Forward traffic to other networks.
- C. Broadcast routing tables to clients.
- D. Store tables for name resolution.

Correct Answer: B

QUESTION 67

If a router cannot determine the next hop for a packet, the router will:

- A. Forward the packet to the default route.
- B. Send the packet back to the packet's source.
- C. Broadcast the packet.
- D. Store the packet in the memory buffer.

Correct Answer: A

QUESTION 68

In which physical network topology is each computer connected to a central point?

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

Correct Answer: A

QUESTION 69

Which two of the following are connectivity options for wide area networks (WANs)? (Choose two.)

- A. Token ring
- B. Ethernet
- C. Dial-up
- D. Leased line

Correct Answer: CD

QUESTION 70

A private network that allows members of an organization to exchange data is an:

- A. Extranet
- B. Ethernet
- C. Intranet
- D. Internet

Correct Answer: C

QUESTION 71

Security is a concern on wireless networks due to:

- A. The radio broadcast access method.
- B. Spread spectrum issues.
- C. Frequency modulation issues.
- D. The potential for cross-talk.

Correct Answer: A

QUESTION 72

A characteristic of the mesh topology is that it:

- A. Uses a central hub.
- B. Cannot use wired connections.
- C. Uses redundant paths.
- D. Cannot use wireless connections.

Correct Answer: C

QUESTION 73

To protect a network when it is connected to the Internet, you should use a:

- A. Bridge
- B. Firewall
- C. Switch
- D. Router

Correct Answer: B

QUESTION 74

One purpose of a perimeter network is to:

- A. Make resources available to the intranet.
- B. Link campus area networks (CANs).
- C. Link local area networks (LANs).
- D. Make resources available to the Internet.

Correct Answer: D

QUESTION 75

Which protocol can be used to encrypt packets on the Internet?

- A. SNMP
- B. HTTPS
- C. TFTP
- D. HTTP

Correct Answer: B

QUESTION 76

The service that resolves fully qualified domain names (FQDN) to IP addresses is:

- A. Windows Internet Name Service (WINS).
- B. Domain Name Service (DNS).
- C. Internet Service Provider (ISP).
- D. Address Resolution Protocol (ARP).

Correct Answer: B

QUESTION 77

If a router is installed so that it separates a DHCP server from its clients, the clients will:

- A. Immediately lose connectivity to all segments.
- B. Be unable to obtain their leases from the server.
- C. Immediately lose connectivity to the local segment.
- D. Receive an immediate renewal of their lease.

Correct Answer: B

QUESTION 78

Which of the following services masks internal IP addresses from outside the network?

- A. DHCP
- B. WINS
- C. NAT

D. DNS

Correct Answer: C

QUESTION 79

The query protocol used to locate resources on a network is:

- A. User Datagram Protocol (UDP).
- B. Lightweight Directory Access Protocol (LDAP),
- C. Tracert
- D. Telnet.

Correct Answer: B

QUESTION 80

Tracert is used to:

- A. Manage routing tables dynamically.
- B. Manage session-oriented connections between nodes.
- C. Report the route taken by packets across an IP network.
- D. Report the shortest route between different networks.

Correct Answer: C

QUESTION 81

In which OSI layer does routing occur?

- A. Transport
- B. Network
- C. Data Link
- D. Physical

Correct Answer: B

QUESTION 82

What type of record does DNS use to find a mail service?

- A. Service (SRV) DNS record
- B. Canonical (CNAME) DNS record
- C. Mail Exchanger (MX) DNS record
- D. Host (A) DNS record

Correct Answer: C

QUESTION 83

The default gateway address identifies the:

- A. Device that will connect the computer to the local network.
- B. Device that will connect the computer to a remote network.
- C. Server that will provide name services for the computer.
- D. Server that will authenticate the user of the computer.

Correct Answer: B

QUESTION 84

How many bits are there in an Internet Protocol version 6 (IPv6) address?

- A. 32
- B. 64
- C. 128
- D. 256

Correct Answer: C

QUESTION 85

Which of the following is a public IP address?

- A. 10.156.89.1
- B. 68.24.78.221
- C. 172.16.152.48
- D. 192.168.25.101

Correct Answer: B

QUESTION 86

What is the minimum cabling requirement for a 100BaseTX network?

- A. Category 3 UTP cable
- B. Category 5 UTP cable
- C. Category 6 UTP cable
- D. Multimode fiber cable

Correct Answer: A

QUESTION 87

Internet Key Exchange (IKE) is responsible for which two functions? (Choose two.)

- A. Establishing network speed parameters
- B. Verifying the client's patch level
- C. Negotiating algorithms to use
- D. Exchanging key information

Correct Answer: AB

QUESTION 88

This question requires that you evaluate the underlined text to determine if it is correct.

The process of replicating a zone file to multiple DNS servers is called zone replication, Select the correct answer if the underlined text does not make the statement correct. Select 'No change is needed' if the underlined text makes the statement correct.

- A. Zone transfer
- B. Zone synchronization
- C. Start of authority
- D. No change is needed

Correct Answer: A

QUESTION 89

Which DNS record type specifies the host that is the authority for a given domain?

- A. NS
- B. MX
- C. CNAME

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