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Version: Demo

QUESTION 1

A user's laptop is unable to keep a stable network connection. Which of the following measures would MOST likely need to be configured?

- A. SSID name
- B. WAP encryption strength
- C. WAP radio power
- D. Channel overlay

Correct Answer: C

QUESTION 2

The Network Interface Layer of the TCP/IP model corresponds to which of the following layers of the OSI model? (Select TWO).

- A. Network
- B. Session
- C. Transport
- D. Physical
- E. Data link

Correct Answer: DE

QUESTION 3

In which of the following layers of the OSI model would MAC addressing be found?

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

Correct Answer: C

QUESTION 4

Several users from the finance department report that they are able to access the Internet, but unable to connect to their financial applications. The network technician is unable to ping the finance server. The technician decides to check the switch and determines that Internet access is working. Which of the following is a possible cause of the access issues?

- A. Faulty cable
- B. Remote management disabled

- C. Improper VLAN assignment
- D. Mismatched duplex

Correct Answer: C

QUESTION 5

A technician needs to ensure that traffic from a specific department is separated within several switches. Which of the following needs to be configured on the switch to separate the traffic?

- A. Duplex settings
- B. SNMP string
- C. VLAN assignments
- D. Spanning tree

Correct Answer: C

QUESTION 6

Given a subnet mask of 255.255.255.0, how many usable IP addresses would be in that subnet?

- A. 250
- B. 254
- C. 255
- D. 256

Correct Answer: B

QUESTION 7

On which of the following OSI model layers would a MAC address be used?

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

Correct Answer: B

QUESTION 8

Joe, a user, has a computer that has a link light on his network interface card (NIC); however, Joe is unable to access the Internet. Which of the following is the cause of this issue?

- A. Faulty GBIC
- B. Faulty SFP
- C. Cable is a crossover
- D. VLAN mismatch

Correct Answer: D

QUESTION 9

A network technician is troubleshooting signal problems with certain WAPs in an office and finds consistently high ping times across the units. Such an issue is called which of the following?

- A. Latency
- B. Attenuation
- C. Crosstalk
- D. Frequency hopping

Correct Answer: A

QUESTION 10

Which of the following TCP/IP model layers does the OSI model Presentation layer map to?

- A. Transport
- B. Internet
- C. Application
- D. Network Interface

Correct Answer: C

QUESTION 11

A customer wants to keep cost to a minimum and has only ordered a single static IP address from the ISP. Which of the following must be configured on the router to allow for all the computers to share the same public IP address?

- A. VLANs
- B. PoE
- C. PAT
- D. VPN

Correct Answer: C

QUESTION 12

Which of the following LAN technologies is used to provide a MAXIMUM bandwidth of 1Gbps through single-mode fiber?

- A. 10GBaseLR
- B. 100BaseFX
- C. 100BaseTX
- D. 1000BaseX

Correct Answer: D

QUESTION 13

Which of the following properties of DHCP would a technician use to ensure an IP address is not leased out from the active scope?

- A. Reservations
- B. Lease times
- C. Removing IPs from the active leases
- D. Configuring the DNS options

Correct Answer: A

QUESTION 14

Spanning-Tree Protocol is used with which of the following network devices?

- A. Router
- B. NIC
- C. Switch
- D. DHCP server

Correct Answer: C

QUESTION 15

A technician wants to separate networks on a switch. Which of the following should be configured to allow this?

- A. VLAN
- B. Trunking
- C. Spanning tree
- D. Traffic filtering

Correct Answer: A

QUESTION 16

A user wants to connect seven PCs together for a game night. Which of the following should the user install to help with this task?

- A. Media convertor
- B. Switch
- C. Firewall
- D. Bridge

Correct Answer: B

QUESTION 17

Which of the following defines the amount of time a host retains a specific IP address before it is renewed or released?

- A. DHCP lease
- B. DNS suffix
- C. Subnet mask
- D. DHCP reservation

Correct Answer: A

QUESTION 18

Users are reporting that some Internet websites are not accessible anymore. Which of the following will allow the network administrator to quickly isolate the remote router that is causing the network communication issue, so that the problem can be reported to the appropriate responsible party?

- A. Ping
- B. Protocol analyzer
- C. Tracert
- D. Dig

Correct Answer: C

QUESTION 19

Ann, a new user, has a workstation that has connectivity to the printer located in her department, but cannot access the Internet. The result of an ipconfig command on Ann's workstation is as follows:

- IP address: 192.168.0.124
- Subnet Mask: 255.255.255.128
- Default Gateway: 192.168.0.254

Which is MOST likely preventing the user from accessing the Internet?

- A. Duplicate IP address
- B. Incorrect gateway
- C. Incorrect VLAN
- D. Bad switch port

Correct Answer: B

QUESTION 20

Which of the following is the common port used for IMAP?

- A. 25
- B. 53
- C. 143
- D. 443

Correct Answer: C

QUESTION 21

Which of the following network protocols is used to resolve FQDNs to IP addresses?

- A. DNS
- B. FTP
- C. DHCP
- D. APIPA

Correct Answer: A

QUESTION 22

Which of the following network protocols is used to transport email between servers?

- A. IMAP4
- B. POP3
- C. SNMP
- D. SMTP

Correct Answer: D

QUESTION 23

Ann, a technician, installs a new WAP and users are able to connect; however, users cannot access the Internet. Which of the following is the MOST likely cause of the problem?

- A. The signal strength has been degraded and latency is increasing hop count.
- B. An incorrect subnet mask has been entered in the WAP configuration.
- C. The signal strength has been degraded and packets are being lost.
- D. Users have specified the wrong encryption type and routes are being rejected.

Correct Answer: B

QUESTION 24

Users have reported issues accessing an Internet website. The network technician wants to verify network layer connectivity. Which of the following tools can provide the verification?

- A. ping
- B. netstat
- C. route
- D. arp

Correct Answer: A

QUESTION 25

Which of the following is the FASTEST Ethernet technology?

- A. 10GBaseSR
- B. 10BaseT
- C. 100BaseFX
- D. 1000BaseT

Correct Answer: A

QUESTION 26

Network upgrades have been completed and the WINS server was shutdown. It was decided that NetBIOS network traffic will no longer be permitted. Which of the following will accomplish this objective?

- A. Content filtering
- B. Port filtering
- C. MAC filtering
- D. IP filtering

Correct Answer: B

QUESTION 27

Companies trying to cut down on constant documentation of IP addresses could use which of the following?

- A. Longer lease times
- B. More reservations
- C. Larger scopes
- D. Dynamic IP addressing

Correct Answer: D

QUESTION 28

Which of the following DHCP properties defines the size of the pool of available IP addresses?

- A. Options
- B. Scope
- C. Leases
- D. Reservations

Correct Answer: B

QUESTION 29

Which of the following protocols works at the LOWEST layer of the OSI model?

- A. L2TP
- B. PPTP
- C. ISAKMP
- D. IPSec

Correct Answer: A

QUESTION 30

An employee connects to a work computer from home via the built-in Windows remote desktop connection. Which of the following is MOST likely being used to establish the connection?

- A. RDP
- B. RTP
- C. RIP
- D. RAS

Correct Answer: A

QUESTION 31

Discover, Offer, Request, and Acknowledge are the steps for which of the following protocols?

- A. DNS
- B. DOS
- C. DHCP
- D. DSL

Correct Answer: C

QUESTION 32

Which of the following commands displays the routing table on a server or workstation?

- A. nbtstat
- B. route
- C. traceroute
- D. nmap

Correct Answer: B

QUESTION 33

At which of the following layers of the OSI model does ASCII work?

- A. Session
- B. Transport
- C. Presentation
- D. Application

Correct Answer: C

QUESTION 34

Which of the following uses port 23 by default?

- A. TELNET
- B. IMAP
- C. FTP
- D. SNMP

Correct Answer: A

QUESTION 35

Assigning the same IP address to a network device is which of the following?

- A. SSID
- B. Scope
- C. Reservation
- D. Lease

Correct Answer: C

QUESTION 36

At which of the following layers do frames exist? (Select TWO).

- A. OSI model Data link layer
- B. TCP/IP model Network Interface layer
- C. OSI model Physical layer
- D. OSI model Network layer
- E. TCP/IP model Internet layer

Correct Answer: AB

QUESTION 37

A user is unable to access any network resources. The IP configuration of the workstation is as follows:

- IP Address: 192.168.10.32
- Subnet Mask: 255.255.255.240
- Default Gateway: 192.168.10.46

Which of the following would allow the user to connect to network resources?

- A. Change the default gateway to 192.168.10.1.
- B. Change the default gateway to 192.168.10.254.
- C. Change the IP address to 192.168.10.31.
- D. Change the IP address to 192.168.10.33.

Correct Answer: D

QUESTION 38

Which of the following DNS records is used to identify a domain's SMTP server?

- A. CNAME
- B. PTR
- C. MX
- D. A

Correct Answer: C

QUESTION 39

Which of the following TCP ports are used by FTP? (Select TWO).

- A. 20
- B. 21
- C. 22
- D. 23
- E. 25
- F. 80

Correct Answer: AB

QUESTION 40

Which of the following protocols is MOST commonly used for the transfer of router configuration files?

- A. SSL
- B. TFTP
- C. DNS
- D. IMAP

Correct Answer: B

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