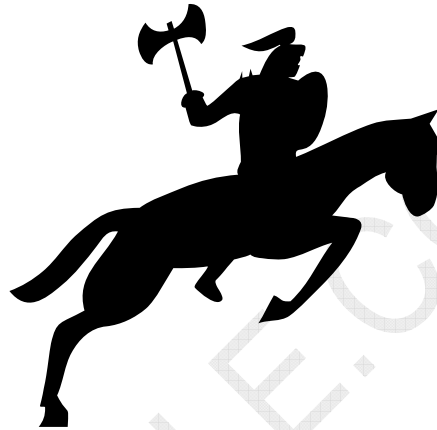


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THE TOTAL NUMBER OF QUESTIONS IS 255.

QUESTION NO: 1 A network administrator implements four VLANs (Virtual Local Area Network) on a switch. Which device will be required to pass traffic among the VLANs (Virtual Local Area Network)?

- A. Router
- B. No additional device needed
- C. Another switch
- D. A hub

Answer: A

QUESTION NO: 2 Which of the following options are the minimal settings for connecting a computer to a TCP / IP (Transmission Control Protocol / Internet Protocol) LAN (Local Area Network) while accessing the Internet?

- A. IP (Internet Protocol) address, subnet mask, gateway, and DNS (Domain Name Service)
- B. IP (Internet Protocol) address and gateway
- C. Subnet mask, IP (Internet Protocol) address, and DNS (Domain Name Service)
- D. IP (Internet Protocol) address, DNS (Domain Name Service), and gateway

Answer: A

QUESTION NO: 3 Which IEEE (Institute of Electrical and Electronics Engineers) 802.x standard defines the operation of the LLC (Logical Link Control) sublayer of the OSI (Open Systems Interconnect) models Data Link layer?

- A. 1
- B. 2
- C. 3
- D. 4

Answer: B

QUESTION NO: 4 A junior network administrator downloads a beta version of a patch to apply to a production e-mail server. The junior administrator plans to apply the patch during off-hours when e-mail usage is low. One morning the e-mail server fails and has to be repaired offline. The junior administrator repairs the e-mail server and is ready to reconnect the e-mail server to the network. What should be done regarding the patch?

- A. Set up an additional server in a cluster with the original server and install the patch on the secondary server
- B. Install the patch on a non-production server to test the effects
- C. Set up an additional server in a cluster with the original server and install the patch on the primary server
- D. Install the patch now while the server is offline to prevent any further downtime

Answer: B

QUESTION NO: 5 In order for a client to share resources on a wired network, the client must be physically connected and:

- A. mapped to the resources using the host name, followed by the resource name.
- B. allowed permission to the resources.
- C. be a member of AD (Active Directory).
- D. be listed in DNS (Domain Name Service).

Answer: B

QUESTION NO: 6 Which dial-up protocol is capable of passing multiple LAN (Local Area Network) protocols across the wire?

- A. PPP (Point-to-Point Protocol)
- B. SLIP (Serial Line Internet Protocol)
- C. RADIUS (Remote Authentication Dial-In User Service)
- D. TCP / IP (Transmission Control Protocol / Internet Protocol)

Answer: A

QUESTION NO: 7 Which digital interface device is used to connect to a local service providers digital T1 (T-Carrier Level 1) or E1 network?

- A. NIC (Network Interface Card)
- B. ISDN (Integrated Services Digital Network)
- C. CSU / DSU (Channel Service Unit / Data Service Unit)

- D. WAP (Wireless Access Point)

Answer: C

QUESTION NO: 8 All of the following are valid IP (Internet Protocol) addresses

EXCEPT:

- A. 192.168.0.1

- B. 172.192.4.256

- C. 156.144.226.123

- D. 10.24.12.0

Answer: B

QUESTION NO: 9 An Ethernet MAC (Media Access Control) address consists of:

- A. 12 bits.

- B. 32 bits.

- C. 48 bits.

- D. 64 bits.

Answer: C

QUESTION NO: 10 The following are characteristics of AV (Anti-Virus) software EXCEPT that it will:

- A. update a definition automatically.
- B. delete an infected file.
- C. backup a registry.
- D. scan within a compress file.

Answer: C

QUESTION NO: 11 A user complains that they can no longer access resources on the network. The user is unable to ping other nodes and ipconfig returns an IP (Internet Protocol) address that is not in the correct subnet. What is the problem?

- A. The DHCP (Dynamic Host Configuration Protocol) server has lost connection to the DNS (Domain Name Service).
- B. Someone has enabled an additional DHCP (Dynamic Host Configuration Protocol) server.
- C. The WINS (Windows Internet Name Service) is offline.
- D. The DNS (Domain Name Service) is offline.

Answer: B

QUESTION NO: 12 A network administrator has setup a new mail server in a new domain. Which DNS (Domain Name Service) records need to be created before e-mail can be received from the Internet?

- A. A record only
- B. MX (Mail Exchanger) records only
- C. MX (Mail Exchanger) and CNAME (Canonical Name) records
- D. MX (Mail Exchanger) and A records

Answer: D