CompTIA

Exam N10-006

CompTIA Network+ certification

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Topic break down

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Topic 1, Network Architecture

Question No : 1 - (Topic 1)

Which of the following is used to describe trunking VLANs on a network?

A. 802.11a
B. 802.11i
C. 802.1q
D. 802.1x

Answer: C

Question No : 2 - (Topic 1)

In order for switching loops to be automatically disabled, which of the following needs to be implemented?

A. Routing tables
B. Collision domains
C. Port mirroring
D. Spanning-tree protocol

Answer: D

Question No : 3 - (Topic 1)

Joe, a technician, has identified a problem, established and confirmed a theory, and has attempted to resolve the problem. Joe, however, does not appear to have the rights to make the needed changes. Which of the following should he do NEXT?

A. Re-establish a new theory.
B. Gather more information.
C. Establish a plan of action.
D. Escalate the problem.

Answer: D

CERTKILL

Question No : 4 - (Topic 1)

A company has a new offering to provide access to their product from a central location rather than clients internally hosting the product on the client network. The product contains sensitive corporate information that should not be accessible from one client to another. This is an example of which of the following?

A. Public SaaS
B. Private SaaS
C. Hybrid IaaS
D. Community IaaS

Answer: B

Question No : 5 - (Topic 1)

Data arranged into packets would be on which of the following layers of the OSI model?

A. Datagram
B. Transport
C. Presentation
D. Network

Answer: D

Question No : 6 - (Topic 1)

Which of the following would be considered a Class C private address?

A. 10.0.0.125
B. 192.168.50.125
C. 192.169.0.132
D. 255.255.255.0

Answer: B

Question No : 7 - (Topic 1)

Which of the following is used to prevent Layer 2 switching loops within a local area network?

A. STP
B. MTU
C. EGP
D. IGP

Answer: A

Question No : 8 - (Topic 1)

Zach, a network administrator, wants to separate the network into broadcast domains. Which of the following can he use? (Select TWO).

A. WAPs
B. Routers
C. Patch panels
D. Hubs
E. Bridges
F. VLANs

Answer: B,F

Question No : 9 - (Topic 1)

A technician receives a work order that a user can no longer access any external websites. The user is the only one affected, but can still access websites by IP address. Which of the following is the MOST likely cause?

A. The workstation has been removed from the domain and needs to be re-added in directory services.
B. The workstation is configured to use the IPv4 protocol instead of IPv6.
C. The workstation is configured with an incorrect IP address of the DNS server.
D. The workstation's DHCP IP address has expired and has assigned itself an APIPA address.

Answer: C

Question No : 10 - (Topic 1)

Which TCP/IP model layer does the OSI model layer named 'session' respond to?

A. Application
B. Presentation
C. Internet
D. Transport

Answer: A

Question No : 11 - (Topic 1)

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

Answer: A,B

Question No : 12 - (Topic 1)

A technician finds that the network card is no longer functioning. At which of the following OSI layers is the problem occurring?

A. Layer 1
B. Layer 3
C. Layer 5
D. Layer 7

Answer: A

Question No : 13 - (Topic 1)

Kurt, a network technician, has been troubleshooting a connectivity problem in the LAN room. He has diagnosed the problem and implemented a solution. Which of the following

would be Kurt's NEXT step?

A. Test the theory
B. Establish a plan of action
C. Establish a theory
D. Document findings

Answer: D

Question No : 14 - (Topic 1)

A home user states during a basement remodel, one of the workers cut the network cable that goes from the modem to the WAP and nothing else has changed. According to the network troubleshooting methodology, which of the following is the NEXT step?

A. Identify the problem
B. Question the user
C. Establish a plan of action
D. Establish a theory of probable cause

Answer: C

Question No : 15 - (Topic 1)

A technician has spent most of the day replacing a server running DHCP. Some of the users have begun to call the help desk stating that Internet connection stopped working even after rebooting. Upon investigation, the users' PCs with issues all have IP addresses that start with 169.254.x.x. The technician completes the replacement and powers on the new DHCP server. Which of the following is the BEST way to provide the PCs with issues a new IP address?

A. Statically assign a legitimate IP address, and then set the PCs' NICs to DHCP
B. Inform each user to replace 169.254 with 192.168
C. Wait five minutes until the PC resends a DHCP request
D. Run netstat on each PC and then reboot into safe mode

Answer: C

Question No : 16 - (Topic 1)

A technician has resolved a ticket to fix a user's printer and has verified that the user is able to print with no issues. Which of the following action steps should the technician perform FIRST?

A. Document findings and outcomes
B. Establish a theory of probably cause
C. Upgrade the printer drivers
D. Close out the service ticket

Answer: A

Question No : 17 - (Topic 1)

Which of the following OSI layers BEST describes where an HTTP proxy operates?

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

Answer: B

Question No : 18 - (Topic 1)

Which of the following protocols does DNS utilize on port 53?

A. TCP
B. FTP
C. RTP
D. ICMP

Answer: A

Question No : 19 - (Topic 1)

Which of the following default ports are used with DHCP? (Select TWO).

A. 22
B. 23

C. 53
D. 67
E. 68

Answer: D,E

Question No : 20 - (Topic 1)

Which of the following is the minimum subnet mask to allow 172.16.1.5 and 172.16.4.3 to be on the same subnet?

A. /19
B. /21
C. /22
D. /24

Answer: B

Question No : 21 - (Topic 1)

Which of the following would be used in an IP-based video conferencing deployment? (Select TWO).

A. RS-232
B. 56k modem
C. Bluetooth
D. Codec
E. SIP

Answer: D,E

Question No : 22 - (Topic 1)

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

A. Virtual switches

B. Virtual machines
C. VLANs
D. IDS

Answer: B

Question No : 23 - (Topic 1)

Which of the following is the usual number of bits for the host identifier part of an IPv6 address?

A. 16
B. 32
C. 48
D. 64

Answer: D

Question No : 24 - (Topic 1)

For which of the following reasons could a single server's NIC transmit packets from multiple MAC address sources?

A. The server contains several virtual machines and the MAC addresses are from the virtual machines.
B. The server is hosting a web server and the MAC addresses are from connected browsers.
C. The server is hosting a proxy server and the MAC addresses are from the connected clients.
D. The server NIC is starting to fail and should be replaced.

Answer: A

Question No : 25 - (Topic 1)

Which of the following DNS record types will be used for mail transfer if the MX record is not found?

A. CNAME