

Which two statements are true about the operation of a full duplex Ethernet network? (Choose two)

- a) A dedicated switch port is not required for each full-duplex node
- b) Ethernet hub ports are preconfigured for full duplex mode
- c) The device network card and the switch port must be capable of operating in the duplex mode
- d) There are no collisions in full duplex mode
- e) In a full duplex environment the host network card must check for availability of the network media before transmission

How does a switch handle a frame in which it detects an error in the frame check sequence?

- a) It discards the damaged frame without further action
- b) It forwards the frame to its destination unchanged
- c) It discards the damaged frame and requests the sender to retransmit it
- d) It updates the frame check sequence and forwards the frame to its destination

How are mac addresses removed from the mac address table?

- a) They must be manually cleared from the table
- b) They are removed automatically on a FIFO basis when the address table time has expired
- c) They are removed automatically if they remain inactive for the duration of the switch aging timer
- d) They are removed automatically if they remain inactive for the duration of the global mac address timer

Which statement about the enable password is true?

- a) It can be up to 32 characters long
- b) It is not stored in a secured format
- c) It is stored in a secured format
- d) The space character is not supported

Which static route can be used to forward a packet that is destined to 192.168.1.23?

- a) 192.168.0.0 255.255.255.0 192.168.255.1
- b) 192.168.1.20 255.255.255.252 192.168.255.1
- c) 192.168.1.0 255.255.255.240 192.168.255.1
- d) 192.168.1.16 255.255.255.252 192.168.255.1

Which value does ripv2 use to calculate its route metric?

- a) Hop count

You have configured two hosts that are connected to a single switch, but reside in different VLANs. Which statement about the VLANs is true?

- a) The two hosts are unable to communicate without a trunk port
- b) The two hosts can communicate with ICMP
- c) The two hosts are unable to communicate without a router
- d) The two hosts are unable to communicate without a hub

Which circumstance causes a security violation on a switch port with port security enabled?

- a) The maximum number of secure mac addresses is reached and an unidentified mac address attempt ingress

For what reason do you use a standard access list?

- a) To deny traffic to unidentified destination address
- b) To deny traffic to identified destination addresses
- c) To identify traffic to be label switched through the network
- d) To filter traffic from identified source addresses
- e) To load balance traffic over different interfaces

Which ipv6 address does a neighbour use to discover?

- a) The link local address
- b) The multicast address
- c) The unique local address
- d) The global unicast address

Drag and drop

- a) snmp - a protocol that manages and monitors network devices
- b) Dns - converts human readable to ip adds
- c) Dhcp - used to assign ip add automatically to pc
- d) tftp - uses udp to send and transfer files
- e) ftp - a reliable and connection oriented for send files

which protocol allows vlans to be dynamically configured between multiple switches?

- a) 802.1q
- b) Vtp
- c) Stp
- d) Igmp

Which Ethernet interface command is present when you boot a new cisco router at first time?

- a) Shutdown
- b) Duplex half
- c) Speed
- d) Ip add

A router is deployed with the default factory settings. If a user on the router is mistyped a command which is the result

- a) The router immediately returns an error message
- b) The router attempts to resolve the command to an ip address
- c) The router auto corrects the mistyped command
- d) The router disables dns lookup
- e) The router recognises the mistake and discards it

Which statement about the cisco discovery protocol is true

- a) CDPv2 advertisements are unicast
- b) Cdp v1 is disabled on fast Ethernet interfaces
- c) Cdpv1 is enabled on frame relay subinterfaces
- d) Cdpv2 advertisements are broadcast

What is the default number of secure mac address for an interface configured with port security?

- a) 1
- b) 255
- c) 1042
- d) 3072

Which statement about wireless access point is true?

- a) They are used as routers between LANs in a wireless network
- b) They are used to physically connect host devices to the wireless network
- c) They are Layer 2 devices that are used to extend a LAN to wireless client
- d) They provide full duplex connectivity to host devices

Which difference between TCP and UDP is true?

- a) Only UDP retransmits packets to ensure delivery
- b) Only TCP orders the packets that are transmitted
- c) Only UDP requires recipients to acknowledge packet
- d) Only TCP has eliminated error checking

Which value represents host route

- a) 192.168.1.0/30
- b) 192.168.1.2/31
- c) 192.168.1.0/32
- d) 192.168.1.0/24

Which value is of primary importance when a router populates its routing table

- a) Prefix length prefix
- b) Administrative distance
- c) Network address
- d) Metric

Which two statements about the default configuration of a cisco router are true?

- a) In the privileged mode exec mode, the console times out after 10 mins of inactivity
- b) The default hostname is Router

Which information is missing from a default syslog message?

- a) TIMESTAMP
- b) SEVERINITY
- c) HOSTNAME
- d) MESSAGE

Client A can't reach client B by its hostname which reason for the problem is most likely

- a) The connected router is using the default domain lookup configuration
- b) A dns server has been misconfigured
- c) telnet has been disabled on the connected router
- d) the hostname for client B is missing from the connected router

which option is the default time zone used on Cisco router

- a) PST
- b) UTC
- c) GMT
- d) EST
- e) CST

Router on a stick is configured on the sub interface

Which first step must a client perform to connect to an internal host when the hostname is known, but the IP address is unknown?

- a) The client exchanges IP address information with DNS server on the same LAN
- b) The client looks up the hostname in the ARP table to determine the IP address
- c) The client sends the hostname in a DNS request to a DNS server, and the DNS server responds with the host IP address
- d) The client sends the host name in a DNS reply to a DNS server, and the DNS server responds with the host IP address

Which value in a routing table entry represents the subnet mask?

- a) Next-hop
- b) Prefix length
- c) Administrative distance
- d) Route source code

Which device mode must you use to recover a password on a Cisco IOS device?

- a) Privileged EXEC
- b) User EXEC
- c) rommon mode
- d) Global configuration

Which statement about IPv4 is true

- a) It is used for multicast traffic
- b) It is routable only within the administrative domain of an organization
- c) It uses addresses that are assigned by IANA
- d) It is used to increase the number of routable addresses to the internet

Drag and drop

- a) Encrypts all clear passwords - service password encryption
- b) Protects access to the user mode prompt - line console 0
- c) Set privileged mode encrypted password - enable secret
- d) Set password to allow telnet connections - line vty 0 4
- e) Set privileged mode clear text password - enable password

Which feature can apply a standard ACL to an interface?

- a) DHCP pool
- b) Policy-map
- c) Access-group
- d) Class-map

Which statement about a packet traveling from a host in VLAN 10 to a host in VLAN 20 is true?

- a) When the packet arrives at the host in VLAN 20, it appears to the host to have come from IP address belonging to the last device it passed through on VLAN 10
- b) The source IP address in the packet changes at each router along the path from source to destination
- c) When the packet arrives at the host in VLAN 20, it appears to the host to have come from the IP address belonging to the first device it passed through on VLAN 20
- d) The MAC address in the packet remains unchanged from source to destination
- e) When the packet arrives at the host in VLAN 20, it appears to the host to have come from the IP address belonging to the router between the VLANs
- f) When the packet passes through the router between the VLANs, the router sets the source MAC address of the packet to the MAC address of its own exit interface

Which purpose of a default route is true?

- a) To reduce the TCAM memory usage
- b) To allow routing decisions to be made in hardware
- c) To enable multicast routing on a switch or router

Which option is the default aging time for the MAC addresses in a Cisco switch MAC addresses?

- a) 1,000,000 seconds
- b) 3,000,000 milliseconds
- c) 300 seconds
- d) 1000 milliseconds

Which value is calculated by the sender and receiver of a frame to determine whether the frame has been damaged in transit?

- a) The giant value
- b) The CRC value
- c) The runt value
- d) The collision value

If a router receives identical prefixes from OSPF, EIGRP and RIP, and the same route is configured statically, which route does the router forward traffic?

- a) RIP route
- b) EIGRP route
- c) Static route
- d) OSPF route

Which statement about port security on a trunk link is true?

- a) It error-disables the port after 10 MAC addresses are statically configured.
- b) By default, it shuts down the port if it learns more than one MAC address.
- c) When it is enabled, it disables the native VLAN configuration.
- d) It is not supported.

On which layer OSI layer does a VLAN operate?

- a) Layer 1
- b) Layer 2
- c) Layer 3
- d) Layer 4

Which three statements accurately describe CDP? (Choose three.)

- a) CDP can discover directly connected neighbouring Cisco devices.
- b) CDP is a network layer protocol.
- c) CDP is an IEEE standard protocol.
- d) CDP is a Cisco proprietary protocol.
- e) CDP can discover Cisco devices that are not directly connected.
- f) CDP is a datalink layer protocol.

Which statement about unicast frame forwarding on a switch is true?

- a) The CAM table is used to determine whether traffic is permitted or denied on a switch.
- b) The source address is used to determine the switch port to which a frame is forwarded.
- c) If the destination MAC address is unknown, the frame is flooded to every port that is configured in the received on.
- d) The TCAM table stores
- e) destination MAC addresses.

Which statement about extended ping is true?

- a) It has a maximum timeout of 2 seconds
- b) It sends 10 pings by default.
- c) The user must specify a source interface to make it working.
- d) It sends 4 pings by default.

How does an access port configured for VLAN 10 handle an incoming packet with an 802.1q tag for VLAN 2?

- a) It dynamically configures the port to accept traffic on VLAN 2.
- b) It drops the packet.
- c) It forwards the packet to a port on VLAN 2.
- d) It processes the packet and places it in a queue for future delivery.

- e) It adds VLAN 2 to the VLAN database.

Which option does the route 0.0.0.0/0 represent?

- a) Route with the lowest administrative distance
- b) Gateway of last resort
- c) Null route
- d) Empty routing table

Which device allows users to connect to a network using a single or double radio?

- a) Wireless controller
- b) Access point
- c) Firewall
- d) Switch

What is the maximum size of an Ethernet frame that uses 802.1q tagging?

- a) 68 bytes
- b) 128 bytes
- c) 1514 bytes
- d) 1522 bytes

Which two statements describe the operation of the CSMA/CD access method? (Choose two.)

- a) After a collision, the station that detected the collision has the first priority to resend the lost data
- b) After a collision, all stations involved run an identical backoff algorithm and then synchronize with each
- c) In a CSMA/CD collision domain, multiple stations can successfully transmit data simultaneously
- d) In CSMA/CD collision domain, stations must wait until the media is not in use before transmitting
- e) After a collision, all stations run a random backoff algorithm. When the backoff delay has expired data.
- f) The use of hubs to enlarge the size of collision domains is one way to improve the operation of the CSMA/CD

For which reason does a switch flood a frame to all ports?

- a) The source MAC address of the frame is unknown.
- b) The source and destination MAC addresses of the frame are the same
- c) The frame has zero destination MAC addresses
- d) The destination MAC address of the frame is unknown