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DEA-5TT1

Associate – Networking Exam



Exam A

QUESTION 1

What are Network Address Translation (NAT) inside global addresses?

- A. Addresses used by NAT router when sending frames to devices on the local network
- B. Public IP addresses used by the local network to communicate with the Internet
- C. Private IP addresses used by the local network
- D. Pubic addresses used by other networks outside of the local network

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2 Which topology is considered a best practice when stacking switches?

- A. Ring
- B. Cascade
- C. Serial
- D. Daisy-chain

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 3 Which option is used to configure Network Address Translation (NAT) to provide one-to-one mapping between local and global addresses?

- A. Outside source static
- B. Overload
- C. Inside source static
- D. PAT

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4 What is the valid range assigned to a client during a TCP connection?

- A. 20 - 25
- B. 443 - 1000
- C. 1023 - 2024
- D. 40000 - 65535

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5 Which port and protocol is used by NTP to communicate?

- A. TCP port 123 for both the source and destination
- B. TCP port 123 for the source and TCP port 80 for the destination
- C. UDP port 123 for both the source and destination
- D. UDP port 123 for the source and TCP port 80 for the destination

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6 At which layer of the OSI model is the Rapid Spanning Tree protocol used to prevent switching loops?

- A. Physical
- B. Network
- C. Data LinkD. Transport

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 7 Which field of the 802.3 frame is used by network interface cards to synchronize their receivers?

- A. Start frame delimiter
- B. Preamble
- C. Cyclic redundancy check
- D. Frame check sequence

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8 Which type of domains are connected by a Layer 2 switch?

- A. Single collision domain and a single broadcast domain
- B. Multiple broadcast domains and multiple collision domains
- C. Multiple collision domains and a single broadcast domain
- D. Single collision domain and multiple broadcast domains

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9 Which Layer 1 device can be used to enlarge the area covered by a single LAN segment?

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

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10 What accurately describes the Simple Network Time Protocol (SNTP)?

- A. Time synchronization algorithms are more complex and account for clock drift.
- B. Client makes sudden changes in time to keep synchronized.
- C. Client synchronizes among a set of distributed time servers.
- D. Implemented on a Dell EMC Network OS 9 and OS 10.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11 Which criteria is used to define an extended MAC ACL filter?

- A. Destination MAC address and Ethernet frame type
- B. Ethernet frame type and frame size
- C. Destination TCP port number and source MAC address
- D. Source and destination MAC addresses

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12 Which IPv4 address is in the same network as the IP address 182.15.24.40/23 and assignable to a host device?

- A. 182.15.23.224
- B. 182.15.25.0
- C. 182.15.25.255
- D. 182.15.26.10

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13 Which BASE-T Ethernet standard specifies a CAT6 cable type?

- A. 2.5GBASE-T
- B. 5GBASE-T
- C. 10BASE-T
- D. 10GBASE-T

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14 A network administrator created three VLANs on an Ethernet switch. How many broadcast domains are created by the switch?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

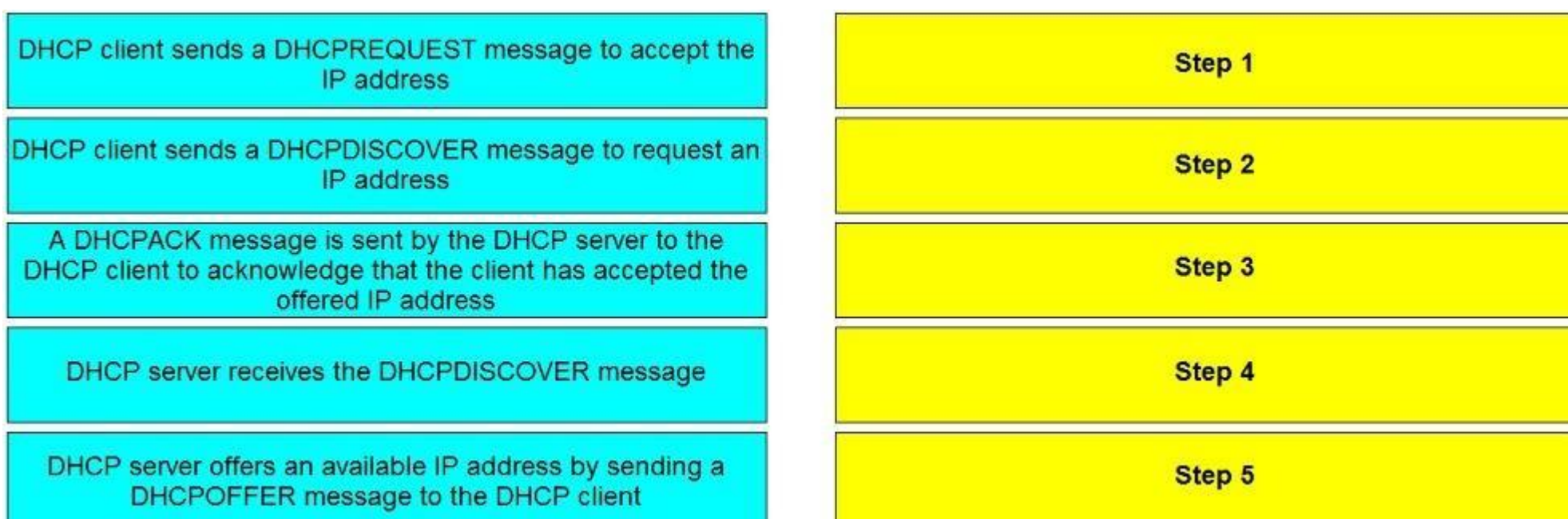
QUESTION 15

DRAG DROP

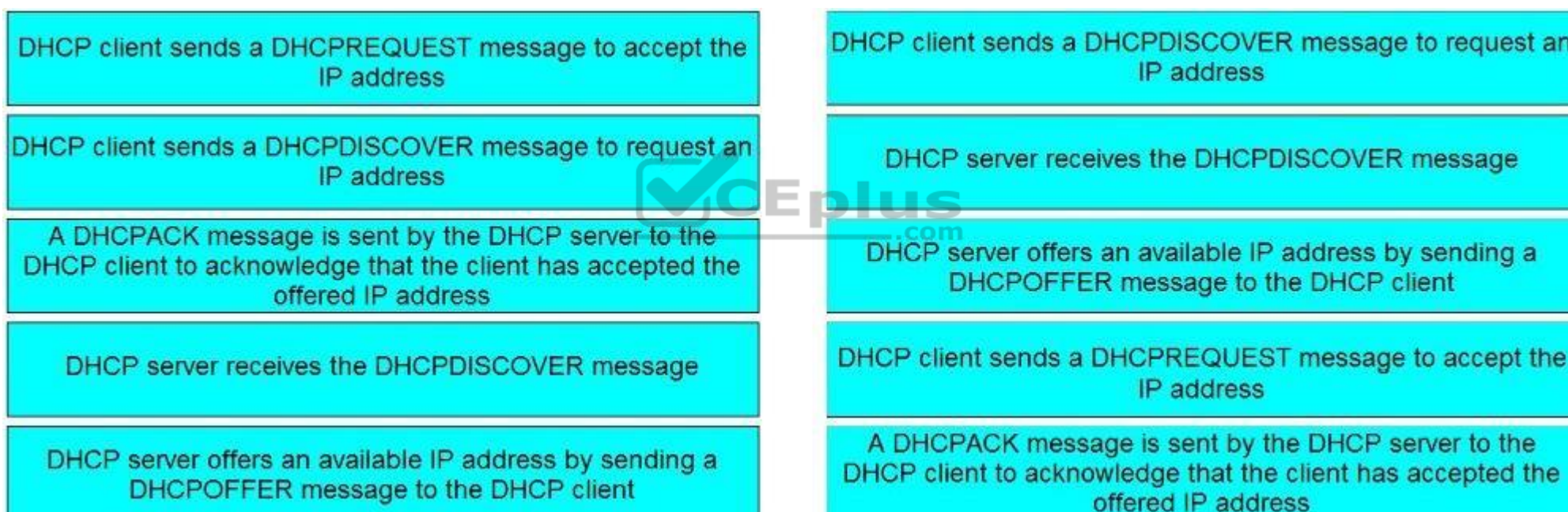
What is the correct sequence of steps that occur in the communications between the client and server to obtain an IP address from a DHCP server?

Select and Place:





Correct Answer:



Section: (none)
Explanation

Explanation/Reference:

QUESTION 16 What are the Protocol Data Units (PDUs) called at the Transport layer?

- A. Data Payload
- B. Frame
- C. Segment
- D. Packets

Correct Answer: C

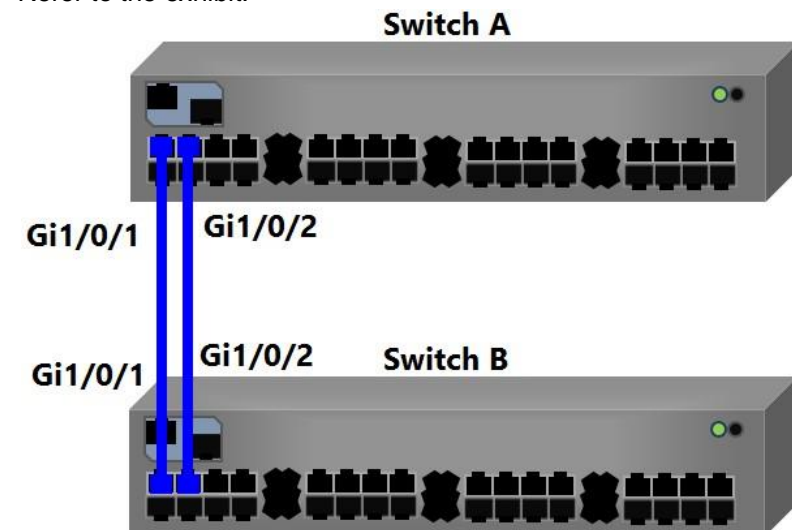
Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Refer to the exhibit.



Switch A and Switch B are connected to each other. Both switches use interfaces Gi1/0/1 and Gi1/0/2. Switch A has a Spanning Tree priority of 8192 and Switch B has the default priority. Which interface becomes the root port?

- A. Switch A Gi1/0/1 B.
- Switch A Gi1/0/2 C.
- Switch B Gi1/0/1
- D. Switch B Gi1/0/2



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

You recently joined a company as a junior-level network administrator. You have been tasked with designing the IPv4 scheme for five networks that will be used for training classrooms. These networks need to support no more than 28 devices each. Due to the existing network design, the senior-level network administrator has asked you to work on network 192.168.40.0/24.

If all networks must be made to logically start with the lowest numbered network and end with the largest numbered network, what is the network ID for the third network?

- A. 192.168.40.32/27 B.
- 192.168.40.64/27
- C. 192.168.40.96/27
- D. 192.168.40.128/27

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

On which Dell EMC Networking switches can Multi-Chassis Link Aggregation (MLAG) be configured?

- A. C9000 Series
- B. N-Series
- C. S-SeriesD. Z-Series

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20 What is the aggregated lanes' maximum speed rating for a QSFP28 transceiver?

- A. 4 Gbps
- B. 40 Gbps
- C. 112 Gbps
- D. 128 Gbps

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21 What is the default OSPF "hello interval"?

- A. 5 seconds
- B. 10 secondsC. 15 seconds
- D. 30 seconds

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22 Which port type should be used for only VLAN-unaware devices?

- A. Access port
- B. General port
- C. Hybrid port
- D. Trunk port

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

Which component translates data, signaling, and protocols to facilitate the data flow between the end device and the network?



- A. Switch
- B. Transceiver
- C. NIC
- D. Port

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24 When configuring a switch, which CLI mode only supports limited show commands?

- A. EXEC
- B. Maintenance
- C. Configuration
- D. EXEC Privilege

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://www.dell.com/support/manuals/us/en/04/powerededge-fx2/dell%20fn%20ioa%20config_9.8.0.0_pub-v1/cli-modes?guid=guid-aeb7d44d-2413-4da8-b8b9-2f8a26bad435&lang=en-us

QUESTION 25

A network administrator is troubleshooting an OSPF routing issue. There are two paths to a destination network from one switch. In addition, one path is comprised of four 1 Gb links. The other path is comprised of two 1 Gb and two 100 Mb links. The administrator ran several trace routes and notices that the packets are swapping back and forth between the two paths.

Which corrective action must be taken on the switch infrastructure to correct this issue?

- A. Manually specify the OSPF Router ID on each switch within the path.
- B. Break the paths into multiple OSPF areas.
- C. Change the reference speed used by OSPF in cost calculations on all switches within the path.
- D. Switch all routing protocols to RIPv2.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

How many total addresses for network, broadcast, and host are provided with the subnet mask 255.255.255.240?

- A. 8
- B. 16
- C. 24
- D. 48

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27 Which IPv6 scope is used for private addressing on a local network?

- A. Global
- B. Area wide
- C. Unique local
- D. APIPA

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

A Dell EMC Networking N-Series switch is configured on a port channel with LACP using the interfaces Te1/0/1 and Te1/0/2. How is the egress traffic distributed among the interfaces?

- A. Traffic overflow will be sent to the second interface
- B. Interfaces will be used in active/passive
- C. Load balanced per packet using round robin
- D. Load balanced using a hash function

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29 On Switch A, a static route has been redistributed into OSPF. Which type of OSPF router will this process make Switch A?

- A. Autonomous System Boundary Router (ASBR)
- B. Designated router (DR)
- C. Area Border Router (ABR)
- D. Backbone Router (BR)

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30 Which platforms are supported by the Dell EMC Networking OS (DNOS) 6?

- A. N1500 Series switch and N2000 Series switch
- B. N1700 Series switch and N1500 Series switch
- C. N1700 Series switch and N3500 Series switch
- D. N3500 Series switch and N2000 Series switch

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.dell.com/en-us/work/shop/povw/networking-os6>

QUESTION 31 How is a switch different from a hub?

- A. A switch operates at a lower, more efficient layer of the OSI model.
- B. A switch tracks MAC addresses of all connected devices.
- C. A switch decreases the number of broadcast storms.
- D. A switch does not include any latency into the frame transfer time.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32 If a packet is sent to an IPv6 address and many devices receive the packet, what is this type of traffic?

- A. Multicast
- B. Broadcast
- C. Anycast
- D. Unicast

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:



QUESTION 33 A network administrator wants to use a subnet that will only have two host addresses. Which subnet mask meets this requirement?

- A. 255.255.255.248
- B. 255.255.255.252
- C. 255.255.255.254
- D. 255.255.255.256

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34 Which flags are used in the TCP header to initiate and end TCP connections or sessions?

- A. Initiate = Acknowledge (ACK)
End = Synchronize (SYN)
- B. Initiate = Acknowledge (ACK)End = Finish (FIN)
- C. Initiate = Synchronize (SYN)End = Finish (FIN)
- D. Initiate = Finish (FIN)
End = Synchronize (SYN)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

A VLAN has been configured to have an IPv6 address and a stateless address autoconfiguration for clients. Which IPv6 address prefix will the default gateway have on a client?

- A. fd01::/64
- B. fe08::/64
- C. fe80::/64
- D. ff02::/8

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36 Which fields are mandatory TLVs in a LLDP PDU frame?

- A. System Capabilities and Management Address
- B. Chassis ID, Port ID, and Time-to-Live
- C. IP Address, Default Gateway, and DNS
- D. Port Description, System Name, and System Description

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://en.wikipedia.org/wiki/Link_Layer_Discovery_Protocol#:~:text=Each%20LLDP%20frame%20starts%20with,and%20length%20fields%20are%200

QUESTION 37 Which IEEE standard defines the Data Link Layer, Discovery protocol?

- A. 802.1AB
- B. 802.1AX
- C. 802.1D
- D. 802.1W

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: http://www.ieee802.org/3/frame_study/0409/blatherwick_1_0409.pdf

QUESTION 38 What is the bandwidth of an RPM for a C9010 Network Director?

- A. 200 Mbps
- B. 2.56 Mbps
- C. 1.52 Tbps
- D. 2.56 Tbps



Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

Reference: http://i.dell.com/sites/doccontent/shared-content/data-sheets/en/documents/dell_networking_c9000_specsheet.pdf

QUESTION 39 What is the default route preference value for a Border Gateway Protocol (BGP)

internal route?

- A. 40
- B. 110C. 200
- D. 253

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

Reference: https://downloads.dell.com/manuals/all-products/esuprt_ser_stor_net/esuprt_networking/networking-n2128px-on_Administrator-Guide_en-us.pdf page 1528.

QUESTION 40

Which Dell EMC Networking M-Series 10 GbE switch model supports a VLT?

- A. MXL
- B. M6220
- C. M6348
- D. M8024-K

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://i.dell.com/sites/doccontent/shared-content/data-sheets/en/Documents/PowerEdge_M_Series_Blades_IO_Guide.pdf

QUESTION 41

A network administrator has a Dell EMC switch that has been configured with several VLANs. Each VLAN switch virtual interface (SVI) has an IP address assigned to it with each of them on different subnets. In addition, routing has been enabled on the switch.

Which action occurs when the switch receives a packet on one of its SVIs but the destination IP address of the packet does not match the IP address of that SVI?

- A. Switch checks its routing table and forwards the packet accordingly.
- B. Switch duplicates the packet and sends it to all interfaces.
- C. Switch replies back to the source with an ICMP Reject packet.
- D. Switch drops the packet.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42 Which message is sent by a router when

TTL expires?

- A. Echo request



- B. Time exceeded
- C. Destination unreachable
- D. Echo reply

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43 Which formula is used for calculating OSPF interface costs?

- A. Reference bandwidth – interface bandwidth
- B. Reference bandwidth / interface bandwidth
- C. Reference bandwidth + interface bandwidth
- D. Interface bandwidth / reference bandwidth

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44 What is the Organizationally Unique Identifier (OUI) in the MAC address 00:C4:4F:23:AF:4A?

- A. 00:C4:4F
- B. 00:C4:4F:23
- C. 23:AF:4A
- D. 4F:23:AF:4A



Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45 Which Ethernet frame forwarding method works best when the outbound ports run at the same speed as the inbound port?

- A. Store-and-forward
- B. Fragment-free
- C. Unicast
- D. Cut-through

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46 Router A is directly connected to Router B over an Ethernet link. The local interface address for the Router A Fa0/48 interface is 144.254.32.2/24. Which routing table entry is visible on Router A?

- A. 144.254.0.0/16
- B. 144.254.0.0/24
- C. 144.254.32.0/24
- D. 144.254.32.2/24

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47 In IPv4, what is the proper conversion from binary to decimal for the number 11010010?

- A. 202
- B. 210
- C. 226
- D. 258

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48 Which Border Gateway Protocol (BGP) version supports IPv6?

- A. BGPng
- B. BGPv2
- C. BGPv3
- D. BGPv4

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49 What accurately describes IPv6 addressing?

- A. IPv6 addresses are denoted by eight groups of four hexadecimal numbers.
- B. IPv6 uses 128 hexadecimal numbers instead of the 32 hexadecimal numbers used by IPv4.
- C. IPv6 is used to converse IP addresses and utilize private addresses.
- D. IPv6 uses broadcast addresses for neighbor discovery.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://en.wikipedia.org/wiki/IPv6_address#:~:text=An%20IPv6%20address%20is%20represented,0000%3A8a2e%3A0370%3A7334



QUESTION 50 An Ethernet switch receives a frame from a directly connected host. The source MAC address of the frame is not present in the MAC address table for the switch. However, the destination address is present in the MAC address table.

What does the switch do with the frame?

- A. Flushes the destination MAC address and updates the MAC address table in the switch.
- B. Adds the source MAC address and port to the MAC address table and forwards the frame.
- C. Discards the frame on all ports and sends an error message back to the host.
- D. Floods the frame to all ports except for the port the frame originated from to locate the source MAC address.

Correct Answer: B

Section: (none)

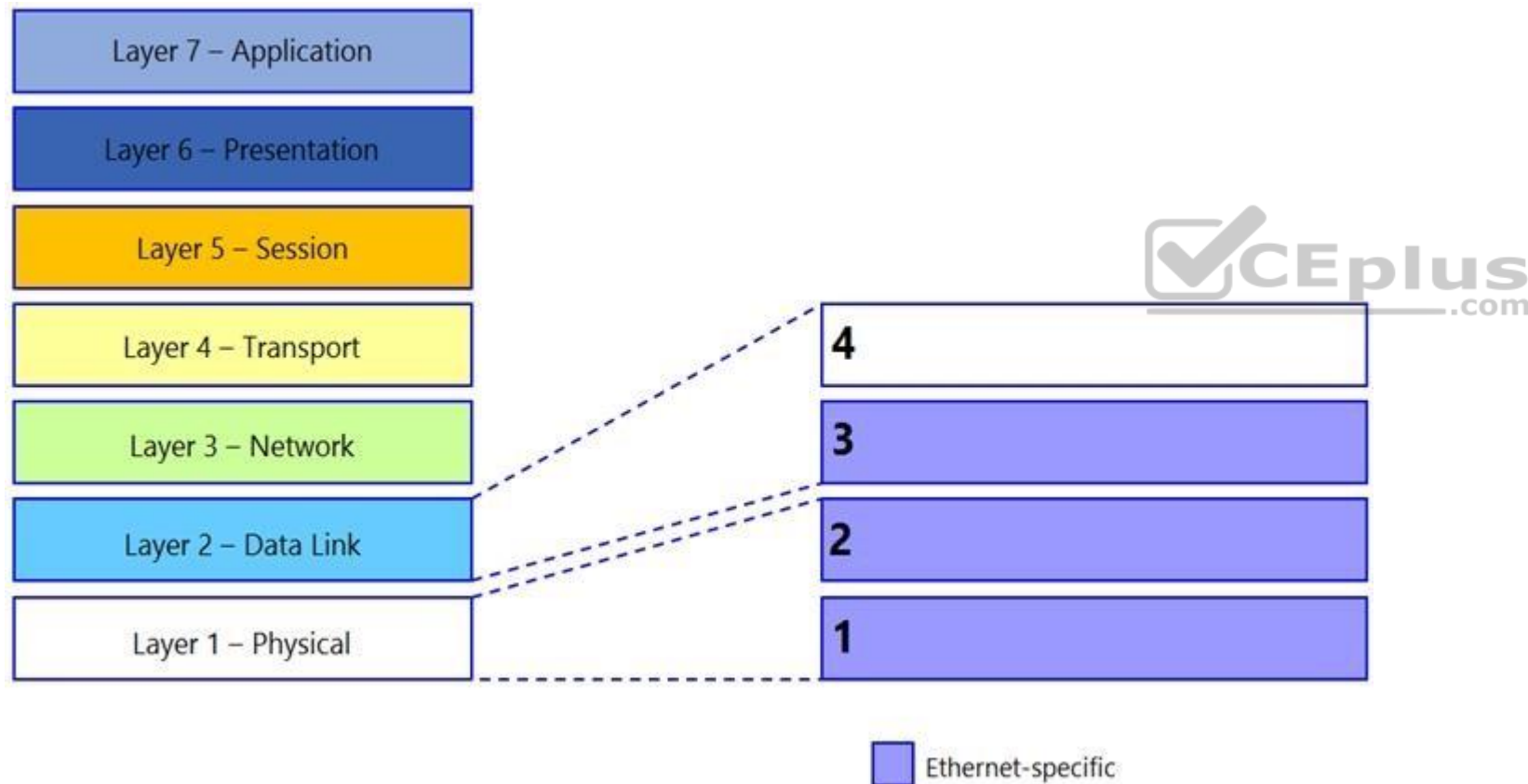
Explanation

Explanation/Reference:

QUESTION 51

DRAG DROP

The IEEE separates the Data Link and Physical ISO layers into four sub-layers. Based on the exhibit, what is the correct order of these sub-layers; from lowest to highest?



Select and Place:

Correct Answer:

Section: (none)

Explanation

Explanation/Reference:

Reference: <https://www.oreilly.com/library/view/ethernet-the-definitive/1565926609/ch01.html>

QUESTION 52

What accurately describes OSPF?

- A. Interior gateway link-state protocol
- B. Exterior gateway distance-vector protocol
- C. Interior gateway distance-vector protocol
- D. Interior gateway path-vector protocol

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53 What accurately describes the Network Time Protocol (NTP)?

- A. Implemented on a Dell EMC Network OS 6.
- B. Time synchronization algorithms do not account for clock drift.
- C. Client synchronizes among a set of distributed time servers.
- D. Client makes sudden changes in time to keep synchronized.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54 In which Spanning Tree protocol state does a port record MAC addresses but does not forward the data?

- A. Forwarding
- B. Blocking
- C. Learning
- D. Listening



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55 Which route type is added to the routing table by a routing protocol?

- A. Default route
- B. Dynamic
- C. Static
- D. Directly connected

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56 Which IP address is in the Class B range?

- A. 100.100.90.87
- B. 126.16.20.48
- C. 191.56.44.200
- D. 192.15.48.130

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57 What accurately describes the comparison between stacking and VLT?

- A. VLT allows for more physical devices to appear as one virtual device than stacking does.
- B. Stacked switches share a common control plane while VLT peers maintain their own control plane.
- C. Stacked switches and VLT peers allow “single pane of glass” management by maintaining a single control plane.
- D. Both VLT and stacking allow devices to use different versions of firmware provided that the switch family/series is the same.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

Reference: https://downloads.dell.com/manuals/common/dellemcnetworking_stacking_vs_vlt.pdf Introduction section

QUESTION 58 On which OSI layers do standard ACL filters operate?

- A. 2 and 3
- B. 2 and 7
- C. 3 and 4
- D. 4 and 7



Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

A network administrator has a stack of four Dell EMC Networking S4800 Series switches. Each stack unit is configured with a different priority. Which switch will be elected as the management device?

- A. Switch with priority 0
- B. Switch with priority 1
- C. Switch with priority 14
- D. Switch with priority 21

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

DRAG DROP

What is the correct sequence of steps when a web browser accesses a web server?

Select and Place:

Browser requests a web page using HTTP	Step 1
Browser resolves the domain name using DNS	Step 2
Web server sends the requested web page using HTTP	Step 3
Browser establishes a TCP connection with the web server	Step 4

Correct Answer:

Browser requests a web page using HTTP	Browser resolves the domain name using DNS
Browser resolves the domain name using DNS	Browser establishes a TCP connection with the web server
Web server sends the requested web page using HTTP	Browser requests a web page using HTTP
Browser establishes a TCP connection with the web server	Web server sends the requested web page using HTTP

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61 Which port type does a Dell EMC Networking N-Series switch have for its console connection?

- A. DB9
- B. RJ-45
- C. USB A
- D. USB B

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

Reference: https://downloads.dell.com/manuals/all-products/esuprt_ser_stor_net/esuprt_networking/esuprt_net_fxdprt_swch/networking-n3100-series_user%27s-guide10_en-us.pdf page 197