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## Question 1

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**Question Type:** MultipleChoice

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What accurately describes OSPF?

### Options:

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

### Answer:

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A

## Question 2

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**Question Type:** MultipleChoice

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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?

**Options:**

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- 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.

**Answer:**

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B

## Question 3

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**Question Type: MultipleChoice**

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What accurately describes IPv6 addressing?

### Options:

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- 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.

### Answer:

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A

### Explanation:

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[https://en.wikipedia.org/wiki/IPv6\\_address#:~:text=An%20IPv6%20address%20is%20represented,0000%3A8a2e%3A0370%3A7334\](https://en.wikipedia.org/wiki/IPv6_address#:~:text=An%20IPv6%20address%20is%20represented,0000%3A8a2e%3A0370%3A7334)

## Question 4

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**Question Type:** MultipleChoice

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Which Border Gateway Protocol (BGP) version supports IPv6?

**Options:**

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**A-** BGPng

**B-** BGPv2

**C-** BGPv3

**D-** BGPv4

**Answer:**

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D

## Question 5

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**Question Type:** MultipleChoice

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Which formula is used for calculating OSPF interface costs?

**Options:**

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

**Answer:**

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D

## Question 6

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**Question Type:** MultipleChoice

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Which message is sent by a router when TTL expires?

**Options:**

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- A- Echo request
- B- Time exceeded
- C- Destination unreachable

**D-** Echo reply

**Answer:**

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B

## Question 7

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**Question Type: MultipleChoice**

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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?

**Options:**

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- 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.

**Answer:**

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A

## Question 8

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**Question Type: MultipleChoice**

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

**Options:**

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**A-** MXL

**B-** M6220 C. M6348

**D-** M8024-K

**Answer:**

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A



**Explanation:**

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[https://i.dell.com/sites/doccontent/shared-content/data-sheets/en/Documents/PowerEdge\\_M\\_Series\\_Blades\\_IO\\_Guide.pdf](https://i.dell.com/sites/doccontent/shared-content/data-sheets/en/Documents/PowerEdge_M_Series_Blades_IO_Guide.pdf)

## Question 9

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**Question Type:** MultipleChoice

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What is the default route preference value for a Border Gateway Protocol (BGP) internal route?

**Options:**

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

**Answer:**

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C

**Explanation:**

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[https://downloads.dell.com/manuals/all-products/esuprt\\_ser\\_stor\\_net/esuprt\\_networking/networking-n2128px-on\\_Administrator-Guide\\_en-us.pdf](https://downloads.dell.com/manuals/all-products/esuprt_ser_stor_net/esuprt_networking/networking-n2128px-on_Administrator-Guide_en-us.pdf) page 1528.

## Question 10

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**Question Type:** MultipleChoice

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

**Options:**

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

**Answer:**

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D

**Explanation:**

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[http://i.dell.com/sites/doccontent/shared-content/data-sheets/en/documents/dell\\_networking\\_c9000\\_specsheet.pdf](http://i.dell.com/sites/doccontent/shared-content/data-sheets/en/documents/dell_networking_c9000_specsheet.pdf)

## Question 11

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**Question Type: MultipleChoice**

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

**Options:**

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

**Answer:**

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A

**Explanation:**

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[http://www.ieee802.org/3/frame\\_study/0409/blatherwick\\_1\\_0409.pdf](http://www.ieee802.org/3/frame_study/0409/blatherwick_1_0409.pdf)

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