

# 100-105<sup>Q&As</sup>

Interconnecting Cisco Networking Devices Part 1 (ICND1)

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#### **QUESTION 1**

Which statement about native VLAN traffic is true?

- A. Cisco Discovery Protocol traffic travels on the native VLAN by default.
- B. Traffic on the native VLAN is tagged with 1 by default.
- C. Control plane traffic is blocked on the native VLAN.
- D. The native VLAN is typically disabled for security reasons.

Correct Answer: A

The native VLAN is the VLAN that is configured for packets that don\\'t have a tag. The default native VLAN on all Cisco Switches is VLAN 1. It is always enabled by default. These settings can all be changed: That is: you can designate a different VLAN as the native VLAN, disable VLAN 1, etc. Knowing that, we can eliminate D) as the correct answer because it is enabled by default. We can also eliminate B) because Native VLAN packets don\\'t get tags by default (you can change this). Finally, Control Plane traffic is never blocked on Native VLAN 1, and even if you change the Native VLAN, the control plane traffic still comes across VLAN 1.

#### **QUESTION 2**

Which characteristics are representative of a link-state routing protocol? (Choose three.)

- A. provides common view of entire topology
- B. exchanges routing tables with neighbors
- C. calculates shortest path
- D. utilizes event-triggered updates
- E. utilizes frequent periodic updates

Correct Answer: ACD

Each of routers running link-state routing protocol learns paths to all the destinations in its "area" so we can say although it is a bit unclear. Link-state routing protocols generate routing updates only (not the whole routing table) when a change occurs in the network topology so Link-state routing protocol like OSPF uses Dijkstra algorithm to calculate the shortest path -> . Unlike Distance vector routing protocol (which utilizes frequent periodic updates), link-state routing protocol utilizes event-triggered updates (only sends update when a change occurs) ->

## **QUESTION 3**

How can you prevent a MAC address from aging out of the MAC address table?

- A. Clear the MAC address table.
- B. Disable the MAC address aging timer.



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- C. Manually enter the MAC address into the MAC address table.
- D. Enable IGMP snooping.

Correct Answer: C

#### **QUESTION 4**

Which two attributes of a packet change at every router along the path from source to destination? (Choose two.)

- A. destination IP address
- B. source MAC address
- C. packet MTU
- D. source IP address
- E. destination MAC address

Correct Answer: BE

### **QUESTION 5**

Which two types of Ethernet networks are compatible with star topologies? (Choose two.)

- A. 10BASE-T
- B. 100BASE-T
- C. 10BASE5
- D. 10BASE2

Correct Answer: AB

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