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**Exam : DES-5221**

**Title : Specialist – Implementation  
Engineer, Data Center  
Networking**

**Version : DEMO**

1.Which type of protocol is OSPF and what metric does it use to determine best path?

- A. Link-state protocol that uses a concept of cost as metric
- B. Hybrid protocol that uses hop count as a metric
- C. Path vector protocol that uses the Dijkstra algorithm as a metric
- D. Distance Vector protocol that uses bandwidth and delay as metric

**Answer: A**

2.What is the function of the authentication service?

- A. Validates the user identity
- B. Determines switch management commands
- C. Validates switch order
- D. Determines which services the user is enabled to access

**Answer: A**

3.A customer reports they can no longer access their services and a network administrator has been assigned to investigate. A UFD disabled error status appears on all ports.

What caused the issue?

- A. Spanning tree Loop-guard was implemented on the uplink-state group.
- B. One of the upstream interfaces in an uplink-state group went down.
- C. There was no issue; this is normal behavior.
- D. Both a port channel and its members were assigned to an uplink-state group.

**Answer: A**

4.What is an advantage of UFD?

- A. Reduces connectivity loss.
- B. Detects the loss of downstream connectivity.
- C. Reduces network complexity.
- D. Prevents the loss of upstream connectivity.

**Answer: D**

5.Which best describes traffic flow in a campus network environment?

- A. North-East
- B. South-West
- C. East-West
- D. North-South

**Answer: C**