# Dell DCAN-100 Exam

**Volume: 57 Questions**

Question: 1
What are two commonly deployed PoE powered devices? (Choose two.)

A. Wireless access point

B. VoIP phone

C. A Workstation

D. Managed Ethernet router

E. A printer

Answer: A,B

Question: 2
Which switchport command must be applied to an interface to allow Voice VLAN configurations?

A. Switchport mode general

B. Switchport voice detect auto

C. Switchport mode trunk

D. Switchport dot1q ethertype 802.1Q

Answer: B

Question: 3
Which two methods will create a VLAN on N-Series switches? (Choose two.)

A. console(config)#interface gi1/0/1console(config-if-Gi1/0/1)#switchport access vlan 10

B. console#vlan 11

C. console(config)#interface gi1/0/1console(config-if-Gi1/0/1)# vlan 10

D. console(config)#vlan 11

E. console(config)#interface vlan 11

Answer: A,D


Question: 4
A client must connect a printer located on a public area on an X1000. The client is concerned someone will use the printer Ethernet cable to gain unauthorized network access.
Which configuration will help prevent unauthorized accesses?

A. Enable Port Security with Classic Lock mode

B. Enable Protected Port on the port connected to the printer

C. Enable Port Security with Dynamic Lock mode

D. Enable DHCP Snooping on the printer VLAN

Answer: A


Question: 5
A technician wants to allow SSH connections to authenticate using an external server. If the external server becomes unreachable, the users created on the switch should be allowed.
What command will accomplish this goal?

A. AAA authentication login default radius local

B. AAA authentication ssh default radius enable

C. AAA authentication login default local radius

D. AAA authentication ssh default radius none

Answer: A


Question: 6
A technician is using Telnet to access an N2024P. Connections are being terminated after 10 minutes of inactivity.
Which action should the technician perform to extend the amount of allowed inactivity time

A. console(config)#line telnetconsole(config-telnet)#exec-timeout 150 0

B. console(config)#line telnetconsole(config-telnet)#keepalive enable

C. console(config)#line vty 0 9console(config-vty) #keepalive enable

D. console(config)#line vty 0 9console(config-telnet)#exec-timeout 150 0

Answer: A

Question: 7
Which two port states are valid on a root bridge in a converged Spanning Tree network? (Choose two.)

A. Blocking

B. Designated

C. Forwarding

D. Listening

E. Alternate

Answer: A,C

Question: 8
Refer to the output:

```
console#show ip ospf neighbor

Router ID      Priority    IP Address      Interface    State        Dead Time

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1.1.1.1        1           10.10.10.1      vl10         Full/PtP     35
```

How has OSPF been configured?

A. For network type broadcast

B. With a dead-timer mismatch

C. For network type point-to-point

D. With a Peer-to-Peer LSA learning of type 7 LSAs

Answer: C

Question: 9
What are three benefits of using dynamic routing protocols over static routing? (Choose three.)

A. Can be implemented with one command to produce routes in the RIB

B. Lower administrative distance compared to static routes

C. Automatically adapts to changing topology to provide alternative paths

D. Is easier to troubleshoot over static routes in the event of a failure

E. Less overall administration, management, and maintenance of the routing table

F. Is scalable to very large multi-router, multi subnet networks

Answer: C,E,F


Question: 10
A technician is applying a switch configuration to an N-Series switch to provide Internet access to all connected subnets. The technician has connected a computer and assigned it an IP address, subnet mask, DNS, and gateway address. The technician is unable to browse the Internet from that computer.
What is causing the issue?

A. DHCP Snooping has blocked the host.

B. The static routes in the configuration file are incorrect.

C. The "ip helper-address" command is configured on the switch.

D. Spanning Tree blocked the port going to the PC.

Answer: B


Question: 11
A technician configures RIP on a new N-Series switch to connect to an existing switch that runs RIP. The routing table is not populating even after the network statements are added.
What is a possible cause of this issue?

A. The existing switch has not been configured with the command "hostroutesaccept".

B. The new switch's interface is in the wrong subnet to form a RIP relationship.

C. The "ip helper-address" command has not been configured on the existing switch.

D. The other switch is not a root bridge and cannot form an RIP relationship.

Answer: B


Question: 12
A Dell Networking N3024 has a link aggregation configured as shown:
interface Gi1/0/1
channel-group 1 mode active
exit
!
interface Gi1/0/2
channel-group 1 mode active
exit
!
interface port-channel 1
switchport access vlan 10
exit
After connecting all cables, the port-channel does NOT work as expected. As part of the troubleshooting process, the technician examines the "show lldp" displayed:

| Local Interface | RemID | Chassis ID | Port ID | System Name |
|---|---|---|---|---|
| Gi1/0/1 | 3 | F8:B1:56:82:CD:65 | GigabitEthernet 1/0/1 | SW1-N2024 |
| Gi1/0/2 | 6 | F8:B1:56:80:8E:AA | GigabitEthernet 1/0/2 | SW2-N2024 |

What is the most likely cause for the issue on the port-channel?

A. The interface port-channel is not using 10Gbps interfaces.

B. The interfaces on the N2024 switches are running LACP.

C. The interface port-channel is not configured in trunk mode.

D. The interfaces are connected to different switches.

Answer: D


Question: 13
A client needs to allow Telnet traffic from the 192.168.1.0/25 network. The client needs to configure the "permit" statement in the ACL.