



Free Questions for **D-NWG-FN-23**

Shared by **Fitzpatrick** on **18-03-2024**

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## Question 1

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Question Type: MultipleChoice

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Which best describes traffic flow in a campus network environment?

Options:

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



Answer:

C

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## Question 2

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Question Type: MultipleChoice

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In a PIM Sparse Mode (PIM-SM) based multicast topology, what function does the Rendezvous Point provide?

Options:

- A- The node is used to provide IGMP snooping across a layer 3 boundary.
- B- The root node of the source tree topology is used to provide routing between the source and receiver.
- C- The root node of the shared tree topology is used to provide routing between the source and receiver.
- D- The node is used to provide IGMP snooping on a layer 2 shared segment.

Answer:

C

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## Question 3

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Question Type: MultipleChoice

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Which LSA types are used in a single area OSPF topology?

Options:

- A- 4, 5 and 7
- B- 1 and 7
- C- 1, 2 and 5
- D- 2, 3 and 5

Answer:

C



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## Question 4

Question Type: MultipleChoice

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What is a feature of virtual routing and forwarding (VRF)?

Options:

- A- Provides trunks that can be grouped to provide optimum speed.
- B- Allows multiple user groups to co-exist within the same router at the same time.
- C- Allows different physical switches to operate as one.
- D- Allows multiple instances of routing tables to co-exist within the same router at the same time.

Answer:

D



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## Question 5

Question Type: MultipleChoice

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Two OS10 switches reside within a VLT domain with statically configured primary-priorities. The current primary peer, switch OS10-A, has a priority of 100, while the secondary peer, OS10-B, has a priority of 200.

If OS10-A reboots and comes back online, what roles will the VLT peers be assigned?

Options:

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- A- OS10-A will be primary and OS10-B will be secondary.
- B- OS10-A will be secondary and OS10-B will be master.
- C- OS10-A will be standby and OS10-B will be primary.
- D- OS10-A will be secondary and OS10-B will be primary.

Answer:

---

D

## Question 6

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Question Type: MultipleChoice

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When implementing QoS on a 10Gb connection, 6Gb is required by the customer. What QoS level best fits the requirement while keeping resource use to a minimum?

Options:

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- A- Differentiated service
- B- Guaranteed service
- C- FIFO
- D- Best-effort service

Answer:

---

B

## Question 7

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Question Type: MultipleChoice

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Refer to the exhibit.

```
OS10-A# show vrrp 100
```

```
Interface           : vlan100           IPv4 VRID           : 100
Version            : 2                 State                : master-state
Primary IP          : 10.0.100.1         Master IP            : 10.0.100.2
Virtual MAC         : 00:00:5e:00:01:64    Accept Mode         : true
Admin Priority       : 110          Operational Priority : 110
Advertise Interval  : 1                 Hold Time            : 0
(in secs)

Preempt Status      : false
Virtual IP address  : 10.0.100.1

master-transitions  : 1                 advertise-rcvd      : 2
advertise-interval-errors : 0         ip-ttl-errors       : 0
priority-zero-pkts-rcvd  : 0         priority-zero-pkts-sent : 0
invalid-type-pkts-rcvd   : 0         address-list-errors  : 0
pkt-length-errors       : 0
```

What is the VRRP state of OS10-A after a router with a default VRRP admin priority with VRID100 comes online?

Options:

- A- master-state
- B- standby-state
- C- backup-state
- D- primary-state

Answer:

A

## Question 8

Question Type: MultipleChoice

Refer to the exhibit.

```
OS10# show ip pim tib
```

```
PIM Multicast Routing Table
```

```
Flags: S - Sparse, C - Connected, L - Local, P - Pruned,
       R - RP-bit set, F - Register Flag, T - SPT-bit set, J - Join SPT,
       K - Ack-Pending state
```

```
Timers: Uptime/Expires
```

```
Interface state: Interface, next-Hop, State/Mode
```

```
(* , 239.255.255.250), uptime 21:30:30, expires 00:00:00, RP 10.0.14.1 , flags: SC
  Incoming interface: Null, RPF neighbor 0.0.0.0
  Outgoing interface list:
    vlan300 Forward/Sparse 21:30:30/Never
    ethernet1/1/54 Forward/Sparse 21:30:30/00:03:07

( 10.0.13.1 , 239.255.255.250), uptime 02:36:13, expires 00:00:00, flags: CJ
  Incoming interface: Null, RPF neighbor 0.0.0.0
  Outgoing interface list:
    vlan100 Forward/Sparse 02:36:13/00:03:12
    ethernet1/1/54 Forward/Sparse 02:36:13/Never
```

Where is the rendezvous point for the group 239.255.255.250?

Options:

- A- 10.0.13.1
- B- 10.0.14.1
- C- eth1/1/54
- D- vlan300

Answer:

B

## Question 9

Question Type: MultipleChoice

You have been asked to examine a BGP configuration for a co-worker who is having difficulty establishing BGP peering. The address shown is that of the neighbor's Lo0 interface. Given the configuration shown, what would be your recommendation?

```
S3(config-router-bgp-65042)# neighbor 192.168.32.1
```

```
S3(config-router-neighbor)# remote-as 65042
```

Options:

---

A- Modify the existing configuration to be:

```
S3(config-router-bgp-65042)# neighbor 192.168.32.1/24 S3(config-router-neighbor)# peer-as 65042
```

B- Add the following to the existing configuration: S3(config-router-neighbor)# update-source loopback 0 S3(config-router-neighbor)# no shutdown

C- Issue the no shutdown command and verify that the BGP state is ESTABLISHED

D- Issue the no shutdown command and verify that the BGP state is ACTIVE

Answer:

---

C



## Question 10

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Question Type: MultipleChoice

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Which LSA type contains information about routes redistributed into OSPF?

Options:

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A- 3

B- 10

C- 5

D- 8

Answer:

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C



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