



642-887^{Q&As}

Implementing Cisco Service Provider Next-Generation Core Network Services

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QUESTION 1

Which option describes the function of an IPv6 flow label?

- A. serves as a management flow to easily monitor any TCP/IP session running over IPv6
- B. serves as a 20-bit checksum per flow for authentication services built into IPv6
- C. enables efficient IPv6 flow classification based only on IPv6 main header fields
- D. used by MPLS when the service provider core network is fully IPv6 enabled

Correct Answer: C

QUESTION 2

Which option describes the IPv6 flow label field?

- A. a 3-bit field used for marking a traffic flow
- B. an 8-bit field used for labeling a traffic flow
- C. a 20-bit field used to tag a traffic flow throughout the network
- D. an 8-bit field out of which the first 6 are used to classify packets

Correct Answer: C

QUESTION 3

Implementing IPoDWDM interfaces on Cisco CRS routers eliminates the need for which network component?

- A. ROADM
- B. external transponders
- C. electrical-optical-electrical converters
- D. electrical cross-connect

Correct Answer: B

IP over DWDM (IPoDWDM) is a technology used in telecommunications networks to integrate IP Routers and Switches in the OTN (Optical Transport Network).

QUESTION 4

Which class-map configuration selects the following traffic?



All incoming traffic from interface GigabitEthernet 0/1 that is marked with dscp ef

- A. `class-map TEST`
 `match dscp ef`
 `match input-interface GigabitEthernet 0/1`
- B. `class-map TEST1`
 `match dscp ef`
`class-map TEST2`
 `match input-interface GigabitEthernet 0/1`
`class-map match-all PARENT`
 `match class-map TEST1 TEST2`
- C. `class-map match-any TEST`
 `match dscp ef`
 `match input-interface GigabitEthernet 0/1`
- D. `class-map match-any TEST`
 `match dscp ef match input-interface GigabitEthernet 0/1`

A. B. C. D.

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

QUESTION 5

When a link flaps, an mpls ldp session will also flap. Which feature minimizes traffic loss and provides faster convergence after the link is re-established?

- A. BFD
- B. MPLS LDP IGP SYNC
- C. graceful restart
- D. LDP session protection
- E. LDP nonstop routing

Correct Answer: D



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