



642-887^{Q&As}

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QUESTION 1

A DSCP value of 41 in decimal corresponds to which IP precedence value?

- A. 3 ?Flash
- B. 4 ?Flash Override
- C. 5 ?Critical
- D. 6 ?Internet Control
- E. 7 ?Network Control

Correct Answer: C

= INT(41/8)

The AF behavior group defines four separate AF classes with Class 4 having the highest priority. Within each class, packets are given a drop precedence (high, medium or low). The combination of classes and drop precedence yields twelve

separate DSCP encodings from AF11 through AF43 (see table)

Assured Forwarding (AF) Behavior Group				
	Class 1 (lowest)	Class 2	Class 3	Class 4 (highest)
Low Drop	AF11 (DSCP 10)	AF21 (DSCP 18)	AF31 (DSCP 26)	AF41 (DSCP 34)
Med Drop	AF12 (DSCP 12)	AF22 (DSCP 20)	AF32 (DSCP 28)	AF42 (DSCP 36)
High Drop	AF13 (DSCP 14)	AF23 (DSCP 22)	AF33 (DSCP 30)	AF43 (DSCP 38)

QUESTION 2

On the Cisco IOS XR, when using the match protocol command within a class-map to classify traffic, you noticed that the match protocol option on the Cisco IOS XR shows much fewer protocol options than on the Cisco IOS or IOS XE, like there is no option such as the match protocol yahoo-messenger command on the Cisco IOS XR. Why is this?

- A. because the Cisco IOS XR router does not have the correct software packages installed
- B. because when defining the class-map, the class-map type should be set to type inspect: class-map type inspect class-map-name command
- C. because NBAR is not supported on the Cisco IOS XR
- D. because flexible packet matching has not been enabled on the Cisco IOS XR router



Correct Answer: C

QUESTION 3

What is the function of MPLS FRR?

- A. automatically repairs LDP adjacency issues for MPLS TE tunnel endpoints
- B. automatically updates BGP prefixes during link failures
- C. automatically redirects MPLS TE traffic away from degraded links
- D. routes traffic onto a backup MPLS TE tunnel during link failures

Correct Answer: D

QUESTION 4

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

QUESTION 5

What is a crucial LDP default operating behavior?

- A. LDP uses the solicited mode by default. An LDP label request is sent to the FIB next hop LSR. When the egress router receives the request, it returns message with all the label-mapping information for the LSP is generated.
- B. LDP establishes a TCP session between the PE routers, thus providing label mapping for the LSP
- C. LDP uses downstream unsolicited mode by default. An LSR advertises label mappings to peers without being asked
- D. LDP uses UDP-confirmed messages to establish sessions between PE ingress and egress routers. The UDP messages encode the label information for each LSP and sub- LSP link

Correct Answer: C



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