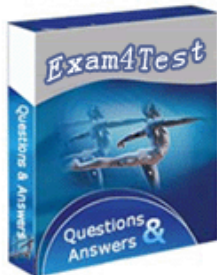


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### **Cisco Building Cisco Remote Access Networks (BCRAN)**



**Practice Exam:** 642-821

**Exam Number/Code:** 642-821

**Exam Name:** Building Cisco Remote Access Networks (BCRAN)

**Questions and Answers:** 244 Q&As

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Exam : Cisco 642-821

Title : CCNP's Building Cisco Remote Access Networks (BCRAN)

1. What does the command frame-relay traffic-rate 56000 128000 accomplish as configured on the indicated router?

- A. It enables the average and peak rate for traffic received on the interface.
- B. It enables the average and peak rate for traffic sent out a virtual circuit.
- C. It does nothing until the REMOTE class is assigned to a sub-interface.
- D. It configures the interface default bandwidth and peak rate for traffic sent.

Answer: B

2. Refer to the diagram. Host X is unable to establish an ISDN connection with R1 using PPP. Which commands can be used on R1 to troubleshoot the LCP and NCP negotiation between these two hosts? (Choose two.)

- A. debug ppp negotiation
- B. debug ppp authentication
- C. debug dialer
- D. debug isdn q931
- E. debug isdn q921

Answer: AB

3. Which IPSEC protocol negotiates security associations?

- A. AH
- B. ESP
- C. IKE
- D. SSH

Answer: C

4. Which router command specifies the RADIUS server that will authenticate dial-up clients?

- A. aaa radius server

- B. radius-server host
- C. ip aaa radius host
- D. aaa authentication radius-server

Answer: B

5. Which two of the following events will occur when the router command backup load 60 5 is used? (Choose two.)

- A. The backup link activates when the primary link exceeds 60 percent of bandwidth.
- B. The backup link activates when the primary link exceeds 60 kbps.
- C. The backup link deactivates when the primary link falls to 5 percent bandwidth.
- D. The backup link deactivates when the combined load falls to 5 percent bandwidth.
- E. The backup link deactivates when the combined load falls to 5 kbps.

Answer: AD

6. Which statement is true about payload compression?

- A. Payload compression can be used in conjunction with link compression.
- B. The payload compression algorithm uses Predictor or STAC to compress traffic into another data link layer such as PPP.
- C. Payload compression is appropriate for virtual network services such as Frame Relay and ATM.
- D. With payload compression the complete packet is compressed and the switching information in the header is not available.

Answer: C

7. Which two features are enhancements that IKE provides for IPsec? (Choose two.)

- A. supports multicast traffic
- B. allows the changing of encryption keys during an IPsec session
- C. allows the SA to have a specified lifetime
- D. supports multiple protocols
- E. allows dynamic authentication of peers
- F. eliminates the need to manually specify all the IPsec security parameters in the crypto maps at both peers.

Answer: BC

8. Single choice

2. Which two of the following events will occur when the router command backup load 60 5 is used? (Choose two.)

- A. The backup link activates when the primary link exceeds 60 percent of bandwidth.
- B. The backup link activates when the primary link exceeds 60 kbps.
- C. The backup link deactivates when the primary link falls to 5 percent bandwidth.
- D. The backup link deactivates when the combined load falls to 5 percent bandwidth.
- E. The backup link deactivates when the combined load falls to 5 kbps.

Answer: AD

9. Which two statements are true about the use of the backup load 65 10 command on a router? (Choose two.)

- A. The secondary line will terminate when the load of the primary line drops to 10% of the bandwidth of the primary line.
- B. The secondary line will terminate when the aggregate load of the primary and backup lines drops to 10% of the primary line bandwidth
- C. The secondary line will come up 10 seconds after traffic on the primary line reaches 65% of the bandwidth of the primary line.
- D. The secondary line will come up when the traffic on the primary line reaches 65% of the bandwidth of the primary line.
- E. The backup interface will come up 65 seconds after the primary link goes down.
- F. The secondary interface will terminate the connection 10 seconds after the primary link comes up.

Answer: BD

10. Which three items are correct about the IPSec ESP security protocol? (Choose three.)

- A. Authentication is mandatory and the whole packet including the header is authenticated.
- B. Authentication is optional and the outer header is not authenticated.
- C. IP packet is expanded by transport mode:37 bytes(3DES) or 63 bytes(AES); tunnel mode:57 bytes(3DES) or 83 bytes(AES)
- D. IP packet is expanded by: transport mode 24 bytes; tunnel mode 44 bytes
- E. The ESP security protocol provides data confidentiality.
- F. The ESP security protocol provides no data confidentiality.

Answer: BCE

11. What are three LCP options that are supported by PPP? (Choose three.)

- A. authentication
- B. multilink
- C. protocol multiplexing
- D. compression
- E. dynamic address allocation
- F. dynamic address translation

Answer: ABD

12. Which two commands assign multiple ISDN BRI interfaces to a single hunt group? (Choose two.)

- A. dialer-group
- B. multilink ppp
- C. interface dialer
- D. dialer hunt-group
- E. dialer rotary-group

Answer: CE

13. Given the configuration command shown in the exhibit, which statement is true?

- A. All incoming TCP packets will be compressed
- B. All outgoing TCP packets will be compressed
- C. Incoming TCP packets will be compressed only if outgoing TCP packets on the same interface are compressed
- D. Outgoing TCP packets will be compressed only if incoming TCP packets on the same interface are compressed
- E. All incoming and outgoing TCP packets will be compressed.

Answer: D

14. Refer to the output of the debug frame-relay lmi command shown in the graphic, what is the status of DLCI 100?

- A. active
- B. init
- C. inactive
- D. down
- E. deleted

Answer: C

15. Which two queuing methods allow for strict priority queuing of delay sensitive applications? (Choose two.)

- A. Flow-based WFQ
- B. Class-based WFQ
- C. LLQ
- D. CQ
- E. PQ

Answer: CE

16. By default, what is the maximum percentage of bandwidth CBWFQ allocates for all classes of traffic?

- A. 25
- B. 50
- C. 75

D. 90

Answer: C

17. A network administrator would like to use an existing ISDN line as a backup for a Frame Relay line connected on interface serial0.

Which statement is correct based on the following configuration of the Cisco Router?

```
interface serial0
ip address 192.168.10.1 255.255.255.0
backup interface bri0
backup delay 5 10
interface bri0
ip address 192.168.11.2 255.255.255.0
dialer idle-timeout 900
dialer-group 1
```

- A. The ISDN BRI line will go to "standby" mode 900 seconds after the serial interface reactivates.
- B. The ISDN BRI line will go to "standby" mode 10 seconds after the serial interface reactivates.
- C. The ISDN BRI line will deactivate when the primary line reaches 10% utilization.
- D. The ISDN BRI line will go to standby mode after 900 seconds, but will reactivate if the primary line reaches 10% utilization

Answer: B

18. What will happen to the priority queue if the queue is full and more priority queue traffic is matched?

- A. Priority traffic will be restrained to its allocated queue size, and packets will be dropped.
- B. WRED will start dropping packets from other queues.
- C. Priority queue packets will be placed in the class-default queue.
- D. WRED will start dropping packets from the priority queue.

Answer: A

19. Based on the above configuration, which statement is true?

- A. The backup interface will be used when traffic reaches 80 kbps on the primary interface.
- B. The backup interface will be disabled when the combined load on the primary and backup interfaces is less than 10%
- C. The backup interface will be disabled when the combined load on the primary and backup interfaces is less than 8 kbps.
- D. The backup interface will be disabled when the load on the primary interface is less than 10%.
- E. The backup interface will be disabled when the load on the primary interface is less than 80 kbps.

Answer: B

20. Given the partial configuration, what function does the command dialer watch-group 8 have?

- A. Any IP traffic, except OSPF traffic, will cause interface BRI0 to dial RouterB.
- B. When the watched route, 172.22.53.0/24, is removed from the routing table and there is no other valid route, dialer watch then initiates a call to RouterB.
- C. When the watched route, 172.22.53.0/24, is removed from the routing table, regardless of whether there is another valid route pointing to an interface other than interface BRI0, dialer watch initiates the call to RouterB.
- D. When the load threshold is met and any IP traffic, except OSPF traffic, is destined for 172.22.53.0/24 network, the dialer watch will initiate the call to RouterB.

Answer: B

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