

## 642-821 braindumps

### Cisco CCNP

**642-821: Building Cisco Remote Access Networks (BCRAN)**

**Practice Exam:** 642-821 Exams

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

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

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

( [CCNP](#) )



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Exam : Cisco 642-821

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

1. Which IPSEC protocol negotiates security associations?

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

Answer: C

2. 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

3. 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

4. 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

5. 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

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

14. 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

15. 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

16. 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

17. 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 80

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

18. 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

19. 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

20. 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

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