



642-067

Advanced Routing and Switching for Field Engineers (ARSFE)

Exam number/code: 642-067

Exam name: Advanced Routing and Switching for Field Engineers (ARSFE)

Questions & Answers: 148 Q&A

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Exam: 642-067 Certification Questions & Answers

Question 1:

Which three configuration steps must be completed for a Cisco router in order to enable local AAA Login Authentication? (Choose three.)

- A. enable AAA
- B. define a method list
- C. define an authorization policy
- D. apply the method list to an interface
- E. set up a TACACS+ authentication server
- F. specify the default method list and apply it to the interface

Answer: A,B,D

Question 2:

On a Cisco Catalyst switch, which configuration command is used to apply a VACL named "test" to filter the traffic within VLAN100?

- A. interfacevlan 100
ip access-group test
- B. interface vlan 100
ip access-group test in
- C. interface vlan 100
ip access-group test out
- D. vlan filter test vlan-list 100
- E. vlan access-map test 100

Answer: D

Question 3:

What is the default severity level of syslog trap messages?

- A. Warnings (severity=4)
- B. Errors (severity=3)
- C. notifications (severity=5)
- D. informational(severity=6)
- E. debugging (severity=7)

Answer: D

Question 4:

Which two of the following actions must an OSPF NSF-capable router execute after a supervisor engine switchover? (Choose two.)

- A. Exchange the complete routing table
- B. Re-acquire the link state database content for the network
- C. Re-learn the available OSPF neighbors without neighbor relationship restart
- D. Send the graceful restart message
- E. Re-learn the available OSPF neighbors with neighbor relationship restart

Answer: B,C

Question 5:

Refer to the exhibit. Which two of these accurately describe this router's supervisor redundancy status? (Choose two.)

```
Router>show redundancy states
    my state = 13 -ACTIVE
    peer state = 1  -DISABLED
        Mode = Simplex
        Unit = Secondary
        Unit ID = 6
Redundancy Mode (Operational) = sso
Redundancy Mode (Configured)  = sso
Redundancy State                = Non Redundant

    Split Mode = Disabled
    Manual Swact = Disabled      Reason: simplex mode
    Communications = Down        Reason: Simplex mode

    client count = 62
    client_notification_TMR = 30000 milliseconds
        keep_alive TMR = 9000 milliseconds
        keep_alive count = 0
        keep_alive threshold = 19
        RF debug mask = 0x0|
```

- A. both supervisors are active
- B. SSO redundancy is being used
- C. the second supervisor is unavailable
- D. the primary supervisor is unavailable
- E. the primary supervisor was reloaded nine seconds ago

Answer: B,D

Question 6:

Exhibit:

```
*Jul 4 00:00:17.15: Serial0: Got keepalive with none configured
*Jul 4 00:00:17.22: Serial0: HDLC myseq 29, mineseen 29*, yourseen 42, line up
*Jul 4 00:00:17.32: Serial0: HDLC myseq 27, mineseen 27*, yourseen 28, line up
```

What would the first line in this debug serial interface output indicate?

- A. Themineseen HDLC sequence has missed more than three keepalives
- B. Theourseen HDLC sequence number is out of order
- C. Keepalives are being received from the other end of a point-to-point link and this send is not sending them
- D. The HDLCmyseq has missed more than three keepalive messages, the WAN link keepalive activity will not occur and you should except to see a Layer 2 issue

Answer: C

Question 7:

Exhibit:

```
TestKing3 > show ip ospf neighbor detail
Neighbor 20.20.6.5, Interface address 20.20.6.5
  In the area 0 via interface Ethernet2/0
  Neighbor priority is 1, State is FULL, 18 state changes
  DR is 20.20.6.7 BDR is 20.20.6.5
  options is 0x52
  LLS Options is 0x1 (LR)
  Dead timer due in 00:00:39
  Neighbor is up for 00:00:00
  Index 1/1, retransmission queue length 0, number of retransmission 4
  First 0x0(0)/0x0(0) Next 0x0(0)/0x0(0)
  Last retransmission scan length is 1, maximum is 2
  Last retransmission scan time is 0 msec, maximum is 0 msec
```

You work as a network engineer at TestKing.com. You study the exhibit carefully. You want to minimize the downtime that results from supervisor engine switchovers on Cisco 6500 Series Switches and Cisco 7600 Series Routers. To achieve this, you are considering deploying a Cisco Nonstop Forwarding with stateful switchover solution using OSPF.

In the Exhibit you can see the output of the show ip ospf neighbor detail command. Which trait of systems using Cisco Nonstop Forwarding with Stateful Switchover and OSPF is shown in the exhibit output and will impact your plan?

- A. Cisco Nonstop Forwarding with Stateful Switchover helper mode for OSPF has been standardized and is supported on the adjacent router
- B. Stateful Switchover for Cisco Nonstop Forwarding must be configured on all adjacent routers
- C. Cisco Nonstop Forwarding with stateful Switchover helper mode is not supported on the adjacent router
- D. Stateful Switchover for Cisco Nonstop forwarding only works with BGP

Answer: A

Question 8:

Exhibit:

```
TestKing1(config-vrf) # rd 115:43
```

You work as a network engineer at TestKing.com. You study the exhibit carefully. Which two of these events will be the result of issuing the above command? (Choose two.)

- A. A 64-bit IPV4 prefix will be created
- B. Extended BGP communities will be used to encode route distinguishers
- C. The route distinguisher will be used to indicate VPN membership
- D. A 96-bit VPNv4 prefix will be created and propagated across the IP network
- E. The route distinguisher is 64 bits and will be prepended to an existing IPv4 route to make it globally unique

Answer: D,E

Question 9:

What is the function of the no switchport Catalyst switch interface configuration command?

- A. switches the port from access mode to trunk mode
- B. converts the port from physical Layer 2 port to physical Layer 3 port
- C. enables the interface for Layer 2 switching

- D. disables the interface to prevent traffic flow
- E. clears all the configurations on the interface

Answer: B

Question 10:

On a Cisco Catalyst 4500 Series switch, the fail LED is lit for one of its two power supplies. Which command would you use to check on this problem?

- A. show environment
- B. show module
- C. showerrdisable detect
- D. show diagnostic content
- E. show hardware

Answer: A

Question 11:

Exhibit:

```
TestKing3#show ip ssh
SSH Enabled - version 1.99
Authentication timeout: 120 secs; Authentication retries: 3
```

You work as a network engineer at TestKing.com. You study the exhibit carefully. Which SSH sessions will the SSH server accept?

- A. Version 2 only
- B. All version before 1.99
- C. Version 1 only
- D. Versions 1 and 2

Answer: D

Question 12:

Which of these tools should you use to compress VoIP packets on a low-speed Frame Relay circuit?

- A. Cisco Proprietary payload compression
- B. Predictor payload compression
- C. RTP header compression
- D. TCP header compression
- E. FRF .9 payload compression

Answer: C

Question 13:

Which two of the following actions must an OSPF NSF-capable router execute after a supervisor engine switchover? (Choose two.)

- A. Re-learn the available OSPF neighbors with neighbor relationship restart
- B. Send the graceful restart message

- C. Re-acquire the link state database content for the network
- D. Re-learn the available OSPF neighbors without neighbor relationship restart
- E. Exchange the complete routing table

Answer: C,D

Question 14:

While troubleshooting a network outage, you discover that an employee brought a switch from home into the office to connect additional equipment to the network. In order to increase his speed, he connected this switch to both network ports in his office, resulting in a bridge loop. Which of these can you implement to prevent future occurrences of this issue?

- A. RSTP
- B. root guard
- C. BPDU guard
- D. GLBP

Answer: C

Question 15:

You have just configured HSRP group 10 in your network. Which MAC address will your default gateway use?

- A. 0000.5E00.010a
- B. 0000.0c07.ac0a
- C. 0000.0c07.0110
- D. 000.0cac.070a
- E. 0000.5e00.0110

Answer: B

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