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350-023

CCIE Written: WAN Switching

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QUESTION NO: 1

What is the primary benefit of the "time-to-live" field in the IP header?

- A. To improve buffer utilization
- B. To reduce the impact of routing loops
- C. To allow calculation of round-trip delays
- D. To remind us that all earthly joys are fleeting
- E. To avoid delivery of packets that are no longer useful

Answer: B

QUESTION NO: 2

A router interface address is 180.60.45.96 with a mask of 255.255.255.224. What configuration statement

- A. `router ospf 1 network 180.60.45.96 255.255.255.32 area 0`
- B. `router ospf 1 network 180.60.45.96 0.255.255.224 area 0`
- C. `router ospf 1 network 180.60.45.96 0.0.0.31 area 0`
- D. `router ospf 1 network 180.60.45.96 0.0.0.224 area 0`

Answer: C

QUESTION NO: 3

An IGX-8 identifies itself as an IGX-32 on the configuration screen. What has gone wrong?

- A. The NPM was originally in an IGX-32.
- B. Database corruption has occurred.
- C. The user must physically set a jumper on the SCM to correct this.
- D. Use the `set novram` command to change the switch type.

Answer: C

QUESTION NO: 4

In PNNI networks, AESA has the following general format:

- A. 12-byte network prefix plus a 7-byte End System Identifier plus 1 byte Selector
- B. 11-byte network prefix plus an 8-byte End System Identifier plus 1 byte Selector
- C. 7-byte network prefix plus a 12-byte End System Identifier plus 1 byte Selector.

D. 13-byte network prefix, a 6-byte End System Identifier plus 1 byte Selector

Answer: D

QUESTION NO: 5

To eliminate the need for adjacent routers on broadcast networks to form $n(n-1)/2$ adjacencies, IS-IS defines a pseudonode or Designated Intermediate System, DIS. All router on the broadcast medium form an adjacency with the DIS. The Backup DIS is called:

- A. Redundant DIS
- B. BDR
- C. There is no concept of a backup DIS in IS-IS
- D. Designated Redundant System

Answer: C

QUESTION NO: 6

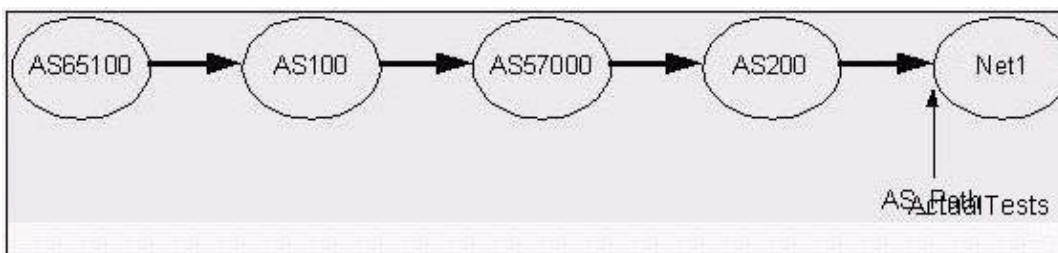
Cisco/StrataCom (Gang of four) LMI uses what DLCI for messages?

- A. 0
- B. 1023
- C. It should be configurable, as per the specification.
- D. It is negotiated when the ports become active.

Answer: B

QUESTION NO: 7

Click the Exhibit button to view the topology. Using the above diagram, which are valid BGP AS_Path Attributes received at Net1 for a route originating from AS65100? (multiple answer)



- A. 200 57000 100 65100
- B. 200 57000 100100

-
- C. 100 57000 200
 - D. 200 57000 100
 - E. 65100 100 57000 200

Answer: A,D,E

QUESTION NO: 8

The default network clocking source in a BPX network is:

- A. The internal oscillator of the lowest-numbered node
- B. The internal oscillator of the highest-numbered node
- C. Each node's own internal oscillator
- D. The clock chip on the network management system

Answer: B

QUESTION NO: 9

When using IS-IS for IP routing, Dual IS-IS defined by RFC 1195, what is true? (multiple answer)

- A. It is necessary to configure a NSAP address.
- B. it is not possible to perform both IP and CLNS routing with the same process.
- C. IP address and subnet information is carried in the TLV field on the L-1/L-1 LSPs.
- D. Dual IS-IS does not support VLSM information.

Answer: A,C

QUESTION NO: 10

What is true about the DLCI field in the Frame Relay header?

- A. It consists of two portions, source and destination, which map data to a logical channel.
- B. It generally has significance only between the local switch and the DTE device.
- C. It is an optional field in the ITU-T specification.
- D. It is present only in data frames sent through the network.

Answer: B

QUESTION NO: 11