

Exam Code: 350-023

Exam Name: CCIE SP WAN Switching Qualification Exam

Vendor: CISCO

Version: DEMO

Part: A

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

Correct Answers: B

2: A router interface address is 180.60.45.96 with a mask of 255.255.255.224. What configuration statement will allow this interface to participate in OSPF Area 0?

- 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

Correct Answers: C

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 setnovram command to change the switch type.

Correct Answers: C

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

Correct Answers: D

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

Correct Answers: C

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

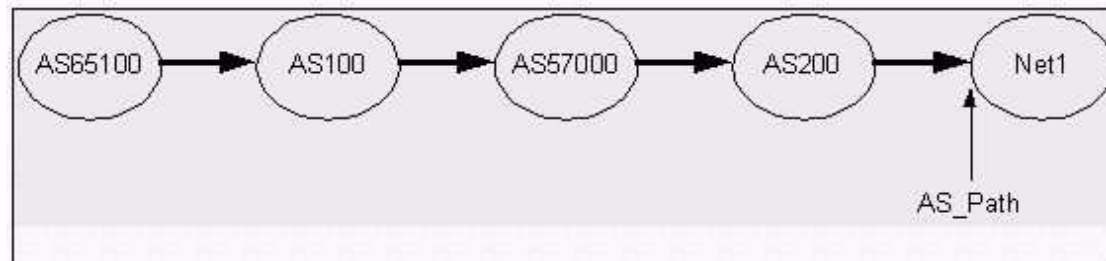
- A.0
- B.1023

C.It should be configurable, as per the specification.

D.It is negotiated when the ports become active.

Correct Answers: B

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 100 100

C.100 57000 200

D.200 57000 100

E.65100 100 57000 200

Correct Answers: A D E

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

Correct Answers: B

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.

Correct Answers: A C

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.

Correct Answers: B

11: On each LAN segment with multiple bridges running spanning tree, the bridge closest to the:

A.Designated bridge is selected as root bridge

- B.Root bridge is selected as designated bridge
- C.Root bridge is not selected as designated bridge
- D.Designated bridge is not selected as root bridge

Correct Answers: B

12: What best describes ADPCM?

- A.It stands for Advanced Duplicate Packet Code Marking.
- B.It specifies no transmission of data during silent periods of voice conversation.
- C.It allows synchronous data to be carried over voice card technology.
- D.It compresses voice from 64K per channel to 32K, 24K, or 16K per channel.
- E.It compresses voice from 64k to approximately 8k.

Correct Answers: D

13: What ATM cell header contains a generic flow control (GFC) field?

- A.The NNI ATM cell
- B.The UNI ATM cell
- C.Both UNI and NNI
- D.None of the above

Correct Answers: B

14: What is Fast EtherChannel?

- A.A feature to bundle multiple Ethernet point-to-point links quickly into one logical high speed link
- B.A feature to bundle multiple Fast-Ethernet point-to-point links into one logical high speed link
- C.Another name for full-duplex Fast Ethernet
- D.Another name for Gigabit Ethernet
- E.None of the above

Correct Answers: B

15: While entering commands on a console, the break key is pressed accidentally and the router reboots. What action could disable this problem?

- A.In configuration mode, enter disable break .
- B.In configuration mode, enter no service break .
- C.Change the configuration register.
- D.Replace the router - this is an invalid response to pressing the break key when past 60 seconds after boot.

Correct Answers: C

16: A Peer group leader is chosen by:

- A.Dynamic process within a peer group
- B.All nodes in the peer group
- C.The highest node ID as a tiebreaker
- D.The lowest node ID as a tiebreaker
- E.Selecting the node that is physically connected to a different peer group

Correct Answers: A B C

17: A router is receiving updates for a subnet from different routing protocols. The administrator wishes to take advantage of a path via a route with a less favorable Administrative Distance. What can be done to effect this without losing any of the updates?

- A. Configure a static route with an Administrative Distance of 120
- B. Use the Router Configuration mode command distance with an appropriate 'weight' for this subnet
- C. Create a distribute-list to block this subnet
- D. Modify the default-metric weight of the routing protocol offering the more favorable Administrative Distance

Correct Answers: B

18: What is an advantage of cell technology?

- A. Cell technology simplifies the hardware/software architecture allowing for faster switching fabrics.
- B. Cells have less overhead.
- C. Cell technology guarantees end-to-end error control.
- D. Cell technology allows faster switching of IP packets.

Correct Answers: A

19: Which are characteristics of VAD?

- A. VAD is used with ADPCM voice connections only.
- B. VAD makes voice traffic bursty.
- C. VAD will add delay to a voice connection.
- D. VAD connections use less bandwidth on the trunks.

Correct Answers: B D

20: In Frame Relay, what devices resend packets that do not transmit correctly?

- A. Digital transmission media cabled to monitor ports, as opposed to straight DCE signaling
- B. Network end stations
- C. Network switches running SNMP management software
- D. Special bridging devices within the backbone cloud

Correct Answers: B