

**Exam** : **350-023**

**Title** : CCIE Written: WAN  
Switching

**Version** : DEMO

**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: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: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: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: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

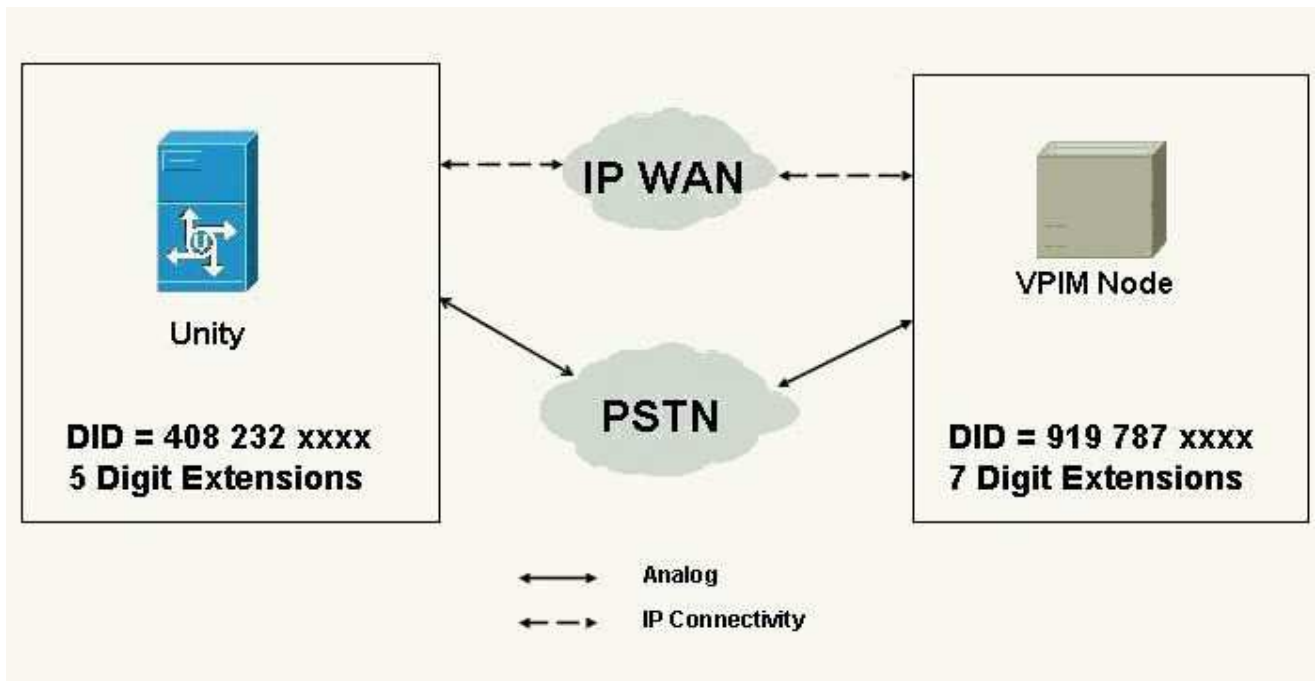
**Correct:C**

**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: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: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: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: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: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: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: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: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: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: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: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: 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: 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: 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: B**

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