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QUESTION 41 What is the default value for the errdisable recovery interval in a Cisco switch? A. 30 seconds B. 100 seconds C. 300 seconds D. 600 seconds Answer: C

QUESTION 42 Which statement about LLDP-MED is true? A. LLDP-MED is an extension to LLDP that operates between endpoint devices and network devices. B. LLDP-MED is an extension to LLDP that operates only between network devices. C. LLDP-MED is an extension to LLDP that operates only between endpoint devices. D. LLDP-MED is an extension to LLDP that operates between routers that run BGP. Answer: A

QUESTION 43 Which statement about Cisco devices learning about each other through Cisco Discovery Protocol is true? A. Each device sends periodic advertisements to multicast address 01:00:0C:CC:CC:CC. B. Each device broadcasts periodic advertisements to all of its neighbors. C. Each device sends periodic advertisements to a central device that builds the network topology. D. Each device sends periodic advertisements to all IP addresses in its ARP table. Answer: A

QUESTION 44 Which option lists the information that is contained in a Cisco Discovery Protocol advertisement? A. native VLAN IDs, port-duplex, hardware platform B. native VLAN IDs, port-duplex, memory errors C. native VLAN IDs, memory errors, hardware platform D. port-duplex, hardware platform, memory errors Answer: A

QUESTION 45 Which option describes a limitation of LLDP? A. LLDP cannot provide information about VTP. B. LLDP does not support TLVs. C. LLDP can discover only Windows servers. D. LLDP can discover up to two devices per port. Answer: A

QUESTION 46 Which statement about the UDLD protocol is true? A. UDLD is a Cisco-proprietary Layer 2 protocol that enables devices to monitor the physical status of links and detect unidirectional failures. B. UDLD is a Cisco-proprietary Layer 2 protocol that enables devices to advertise their identity, capabilities, and neighbors on a local area network. C. UDLD is a standardized Layer 2 protocol that enables devices to monitor the physical status of links and detect unidirectional failures. D. UDLD is a standardized Layer 2 protocol that enables devices to advertise their identity, capabilities, and neighbors on a local area network. Answer: A

QUESTION 47 Which option lists the modes that are available for configuring UDLD on a Cisco switch? A. normal and aggressive B. active and aggressive C. normal and active D. normal and passive E. normal and standby Answer: A

QUESTION 48 What is the default interval at which Cisco devices send Cisco Discovery Protocol advertisements? A. 30 seconds B. 60 seconds C. 120 seconds D. 300 seconds Answer: B

QUESTION 49 Which statement about Cisco Discovery Protocol configuration on a Cisco switch is true? A. CDP is enabled by default and can be disabled globally with the command no cdp run. B. CDP is disabled by default and can be enabled globally with the command cdp enable. C. CDP is enabled by default and can be disabled globally with the command no cdp enable. D. CDP is disabled by default and can be enabled globally with the command cdp run. Answer: A

QUESTION 50 Which VTP mode is needed to configure an extended VLAN, when a switch is configured to use VTP versions 1 or 2? A. transparent B. client C. server D. Extended VLANs are only supported in version 3 and not in versions 1 or 2. Answer: D

Explanation: VTP version 1 and version 2 support VLANs 1 to 1000 only. Extended-range VLANs are supported only in VTP version 3. If converting from VTP version 3 to VTP version 2, VLANs in the range 1006 to 4094 are removed from VTP control.

<http://www.cisco.com/en/US/docs/switches/lan/catalyst6500/ios/12.2SX/configuration/guide/vtp.html>

QUESTION 51 What is the size of the VLAN field inside an 802.1q frame? A. 8-bit B. 12-bit C. 16-bit D. 32-bit Answer: B

QUESTION 52 What is the maximum number of VLANs that can be assigned to an access switchport without a voice VLAN? A. 0 B. 1 C. 2 D. 1024 Answer: B

QUESTION 53 Refer to the exhibit. Which option shows the expected result if a show vlan command is issued?

```
Interface GigabitEthernet0/24
switchport access vlan 10
switchport trunk allowed vlan 10,20,30
switchport mode trunk
switchport voice vlan 100
spanning-tree portfast
!
```

A.

```
Switch#sh vlan
VLAN Name      Status      Ports
-----
1  default      active     Gi1/0/2, Gi1/0/3, Gi1/0/4
                Gi1/0/5, Gi1/0/6, Gi1/0/7
                Gi1/0/8, Gi1/0/9, Gi1/0/10
                Gi1/0/11, Gi1/0/12, Gi1/0/13
                Gi1/0/14, Gi1/0/15, Gi1/0/16
                Gi1/0/17, Gi1/0/18, Gi1/0/19
                Gi1/0/20, Gi1/0/21, Gi1/0/22
                Gi1/0/23, Gi1/0/24

10  Data         active
11  voice        active
1002 fddi-default  act/unsup
1003 to/rf11g-defau/t  act/unsup
1004 fddi-net-defau/t  act/unsup
1005 trnet-default  act/unsup
```

```
B Switch#sh vlan
VLAN Name      Status      Ports
-----
1  default      active     Gi1/0/2, Gi1/0/3, Gi1/0/4
                Gi1/0/5, Gi1/0/6, Gi1/0/7
                Gi1/0/8, Gi1/0/9, Gi1/0/10
                Gi1/0/11, Gi1/0/12, Gi1/0/13
                Gi1/0/14, Gi1/0/15, Gi1/0/16
                Gi1/0/17, Gi1/0/18, Gi1/0/19
                Gi1/0/20, Gi1/0/21, Gi1/0/22
                Gi1/0/23, Gi1/0/24

10  Data         active     Gi1/0/1
11  voice        active     Gi1/0/1
1002 fddi-default  act/unsup
1003 to/rf11g-defau/t  act/unsup
1004 fddi-net-defau/t  act/unsup
1005 trnet-default  act/unsup
```

```
C Switch#sh vlan
VLAN Name      Status      Ports
-----
1  default      active     Gi1/0/1, Gi1/0/2, Gi1/0/3
                Gi1/0/4, Gi1/0/5, Gi1/0/6
                Gi1/0/7, Gi1/0/8, Gi1/0/9
                Gi1/0/10, Gi1/0/11, Gi1/0/12
                Gi1/0/13, Gi1/0/14, Gi1/0/15
                Gi1/0/16, Gi1/0/17, Gi1/0/18
                Gi1/0/19, Gi1/0/20, Gi1/0/21
                Gi1/0/22, Gi1/0/23, Gi1/0/24

10  Data         active
11  voice        active     Gi1/0/1
1002 fddi-default  act/unsup
1003 to/rf11g-defau/t  act/unsup
1004 fddi-net-defau/t  act/unsup
1005 trnet-default  act/unsup
```

```
D Switch#sh vlan
VLAN Name      Status      Ports
-----
1  default      active     Gi1/0/2, Gi1/0/3, Gi1/0/4
                Gi1/0/5, Gi1/0/6, Gi1/0/7
                Gi1/0/8, Gi1/0/9, Gi1/0/10
                Gi1/0/11, Gi1/0/12, Gi1/0/13
                Gi1/0/14, Gi1/0/15, Gi1/0/16
                Gi1/0/17, Gi1/0/18, Gi1/0/19
                Gi1/0/20, Gi1/0/21, Gi1/0/22
                Gi1/0/23, Gi1/0/24

10  Data         active
11  voice        active
1002 fddi-default  act/unsup
1003 to/rf11g-defau/t  act/unsup
1004 fddi-net-defau/t  act/unsup
1005 trnet-default  act/unsup
```

Answer: A QUESTION 54 Which feature is automatically enabled when a voice VLAN is configured, but not automatically disabled when a voice VLAN is removed? A. portfast B. port-security C. spanning tree D. storm control Answer: A  
 QUESTION 55 In which portion of the frame is the 802.1q header found? A. within the Ethernet header B. within the Ethernet payload C. within the Ethernet FCS D. within the Ethernet source MAC address Answer: A  
 QUESTION 56 Which VLAN range is eligible to be pruned when a network engineer enables VTP pruning on a switch? A. VLANs 1-1001 B. VLANs 1-4094 C. VLANs 2-1001 D. VLANs 2-4094 Answer: C  
 QUESTION 57 Which action allows a network engineer to limit a default VLAN from being propagated across all trunks? A. Upgrade to VTP version 3 for advanced feature set support. B. Enable VTP pruning on the VTP server. C. Manually prune default VLAN with switchport trunk allowed vlans remove. D. Use trunk pruning vlan 1. Answer: C  
 QUESTION 58 What is required for a LAN switch to support 802.1q Q-in-Q encapsulation? A. Support less than 1500 MTU B. Support 1504 MTU or higher C. Support 1522 layer 3 IP and IPX packet D. Support 1547 MTU only Answer: B  
 QUESTION 59 Refer to the exhibit. How many bytes are added to each frame as a result of the configuration?

```
3512xl(config)#int fastEthernet 0/24
3512xl(config-if)#switchport mode trunk
3512xl(config-if)#switchport
```

A. 4-bytes except the native VLAN B. 8-bytes except the native VLAN C. 4-bytes including native VLAN D. 8-bytes including native VLAN Answer: A  
 QUESTION 60 A network engineer configured a fault-tolerance link on Gigabit Ethernet links

G0/1, G0/2, G0/3, and G0/4 between two switches using Ethernet port-channel. Which action allows interface G0/1 to always actively forward traffic in the port-channel? A. Configure G0/1 as half duplex and G0/2 as full duplex. B. Configure LACP port-priority on G0/1 to 1. C. Configure LACP port-priority on G0/1 to 65535. D. LACP traffic goes through G0/4 because it is the highest interface ID. Answer: B Lead2pass is one of the leading exam preparation material providers. We have a complete range of exams offered by the top vendors. You can download 300-115 dumps in PDF format on Lead2pass.com. Comparing with others', our 300-115 exam questions are more authoritative and complete. What's more, the 300-115 dumps are the latest. We ensure you pass the 300-115 exam easily. 300-115 new questions on Google Drive:

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