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<https://1drv.ms/f/s!AvI7wzKf6QBjgSVGicaB52AMWrK2> 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 GigabitEthernet1/0/1
switchport access vlan 10
switchport trunk encapsulation dot1q
switchport voice vlan 11
spanning-tree portfast
!
```

A.

```
Switch# show 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 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup
```

B.

```
Switch# show 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 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup
```

C.

```
Switch# show 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  Gi1/0/1
11   voice      active  Gi1/0/1
1002 fddi-default act/unsup
1003 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup
```

D.

```
Switch# show 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 token-ring-default act/unsup
1004 fddinet-default 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 0/1
3512xl(config-if)#spanning-tree
3512xl(config-if)#switchport trunk
```

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

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