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Alcatel-Lucent Scalable IP Networks

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QUESTION 1

What problem was Spanning Tree Protocol (STP) primarily designed to solve?

- A. Broadcast storms caused by redundancy in Layer 2 networks.
- B. Missing protocol field in the Ethernet header.
- C. Missing sequence number in the Ethernet header.
- D. Unreliable data transfer in Layer 2 networks.

Correct Answer: A

QUESTION 2

Which statement accurately explains the purpose of the TCP protocol and what it provides?

- A. The primary purpose of TCP is to provide reliable communications between application services.
- B. The primary purpose of TCP is to provide unreliable communications between application services
- C. The primary purpose of TCP is to provide IP routing between application services.
- D. The primary purpose of TCP is to define the correct format for the application layer such as JPEG or HTML.

Correct Answer: A

QUESTION 3

How many subnets and host addresses are obtained by subnetting network 201.148.26.0/24 using a /26 subnet mask?

- A. 4 subnets, 64 hosts per subnet
- B. 8 subnets, 32 hosts per subnet
- C. 4 subnets, 62 hosts per subnet
- D. 8 subnets, 30 hosts per subnet

Correct Answer: A

QUESTION 4

Which of the following statements is FALSE when describing a Virtual Private LAN Service?

- A. A VPLS emulates a virtual switch or bridge.
- B. The VPLS performs MAC learning on MAC addresses seen from SAPs and SDPs.



- C. When a VPLS receives a frame with an unknown MAC destination, the frame will be dropped.
- D. MAC address forwarding database (FDB) is maintained for each VPLS.

Correct Answer: C

QUESTION 5

Given a network address of 116.14.0.0, which of the following is a valid host address when using the subnet mask 255.255.255.240?

- A. 116.14.17.16
- B. 116.14.17.31
- C. 116.14.17.192
- D. 116.14.17.189

Correct Answer: D

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