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QUESTION 1

An Ethernet private line service is set up between H1 (HQ) and H2 (branch) of enterprise H, and five VC12s are bound in the corresponding VCTRUNK. When one VC-12 fails, the Ethernet private line between H1 and H2 is not interrupted. Therefore, which of the following statements is correct?

- A. The LCAS function is enabled on the ports used by the Ethernet private line service between H1 and H2.
- B. The LCAS function is enabled on the VCTRUNK ports used by the Ethernet private line service between H1 and H2.
- C. The QinQ function is enabled on the ports used by the Ethernet private line service between H1 and H2.
- D. The QinQ function is enabled on the VCTRUNK ports used by the Ethernet private line service between H1 and H2.

Correct Answer: B

QUESTION 2

In MSP networking, when optical fibers are connected between sites, the east optical board of a site is connected to the west optical board of the downstream site, and these sites are connected in sequence to form a ring. In this case, the direction from the east optical board of a site to the west optical board of the downstream site is the major ring direction, and the direction that the ring is formed is the service direction.

- A. TRUE
- B. FALSE

Correct Answer: B

QUESTION 3

Which of the following statements about the optical-layer interfaces OTM-n.m and OTM-nr.m of OTN is incorrect?

- A. n indicates the number of wavelengths carried by the maximum capacity.
- B. m indicates the rate. The value can be 1, 2, or 3.
- C. r indicates OTM without the OSC function.
- D. OTM-nr.m with OSC signals is OTM-n.m.

Correct Answer: B

QUESTION 4

The SL64 board can be used in an OSN 2500.

- A. TRUE



B. FALSE

Correct Answer: B

QUESTION 5

The pointer is used for alignment and indicates the start position of VC-n in the corresponding AU or TU frame. In this way, the receive end can correctly remove the corresponding VC from the STM-N, and then split the VC and C encapsulation to separate low-rate signals, such as PDH. That is, low-rate tributary signals can be directly dropped from the STM-N signal.

A. TRUE

B. FALSE

Correct Answer: A

QUESTION 6

RSOH, MSOH, HPOH, and LPOH implement monitoring functions in the descending order of monitoring scope.

A. TRUE

B. FALSE

Correct Answer: A

QUESTION 7

Which of the following is the frame structure of STM-16?

A. $9 \times 270 \times 1$

B. $9 \times 270 \times 4$

C. $9 \times 270 \times 16$

D. $9 \times 270 \times 64$

Correct Answer: C

QUESTION 8

Which of the following are the main advantages of SDH? (Multiple Choice)

A. Standard interfaces

B. Synchronous multiplexing



- C. Powerful OAM
 - D. High compatibility
- Correct Answer: ABCD
-

QUESTION 9

Which of the following bridges is used to forward data based on the MAC address and VLAN ID carried in data?

- A. 802.1a
- B. 802.1d
- C. 802.1q
- D. 802.11ab

Correct Answer: C

QUESTION 10

An unprotected chain consists of four NEs: NE1, NE2, NE3, and NE4. An end-to-end VC4 trail NE1--NE4 is created, and NE5 is added between NE2 and NE3 for capacity expansion. The original configuration remains unchanged, and no service is configured on NE5. In this case, the unprotected chain becomes NE1-NE2-NE5-NE3-NE4, and how many VC4 trails can be searched out?

- A. 0
- B. 1
- C. 2
- D. 3

Correct Answer: C

QUESTION 11

The Erbium Doped Fiber Amplifier (EDFA) is a key component of the new-generation optical communication system. Which of the following are the features of the EDFA? (Multiple Choice)

- A. High gain
- B. High output power
- C. Amplification of any wavelengths
- D. Low noise index

Correct Answer: ABD



QUESTION 12

Outband networking requires higher costs than inband networking, but provides more reliable management channels.

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 13

MAC loopback and PHY loopback are used for fault locating. When the MAC loopback is set to an inloop, you can set the PHY loopback according to the actual situation.

- A. TRUE
- B. FALSE

Correct Answer: B

QUESTION 14

After the U2000 delivers configuration data to an NE, if the verification fails on the SCC board, the NE enters the installation state.

- A. TRUE
- B. FALSE

Correct Answer: A

QUESTION 15

MSP is a network-level protection scheme. The MSP does not directly protect a service, and the MSP switching and restoration are not affected even if there is no service on the MSP ring.

- A. TRUE
- B. FALSE

Correct Answer: A