



# H31-311<sup>Q&As</sup>

HCIA-Transmission V2.5

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**QUESTION 1**

Assume that 2 x VC-12 timeslots need to be bound with VCTRUNK1 of the N2EFS4 board. When 8 x VC4 timeslots are available on the N2EFS4 board, which of the following timeslots meets the requirements?

- A. VC-12 timeslots 1 and 2 of the first VC-4
- B. VC-12 timeslots 33 and 34 of the second
- C. VC-4 VC-12 timeslots 1 and 2 of the fourth
- D. VC-4 VC-12 timeslots 1 and 2 of the eighth VC-4

Correct Answer: C

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**QUESTION 2**

When synchronization is performed on the 1U2000, the NE data that is the same as that on the U2000 is not uploaded to the U2000, and the data that exists on the U2000 but not on the NE is deleted.

- A. TRUE
- B. FALSE

Correct Answer: B

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**QUESTION 3**

After PDH services are configured on a per-NE basis, a complete trail cannot be searched out. Which of the following are possible causes? (Multiple Choice)

- A. Tributary board selection is incorrect.
- B. Line board selection is incorrect.
- C. Timeslot configuration is incorrect.
- D. Pass-through is not configured at intermediate sites.

Correct Answer: BCD

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**QUESTION 4**

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

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#### QUESTION 5

The last 256 columns in the OTN frame structure are FEC areas, which are used for forward error correction.

- A. TRUE
- B. FALSE

Correct Answer: A

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#### QUESTION 6

Which of the following statements about the signal label byte C2 is incorrect?

- A. The C2 byte is used to indicate the multiplexing structure of the VC frames and the payload property.
- B. The C2 byte to be sent must match the C2 byte to be received.
- C. If the C2 byte mismatch is detected, an LP\_SLM alarm is reported in the corresponding VC-4 channel.
- D. C2=00H indicates that the VC-4 is unequipped.

Correct Answer: C

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#### QUESTION 7

Which of the following clock working modes support the ITU-T G.781 standard? (Multiple Choice)

- A. Tracing
- B. Holdover
- C. Free-run
- D. Master/Slave

Correct Answer: ABC

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#### QUESTION 8

The standard Ethernet frame length should not be less than 64 bytes. Which of the following factors cause this



limitation? (Multiple Choice)

- A. Minimum transmission distance
- B. Maximum transmission distance
- C. Working mechanism of conflict detection
- D. MAC address

Correct Answer: BC

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#### QUESTION 9

Which of the following is the meaning of SFD in the Ethernet frame structure?

- A. Preamble
- B. Frame check sequence
- C. Start frame delimiter
- D. Payload

Correct Answer: C

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#### QUESTION 10

Which of the following are communication quality alarms? (Multiple Choice)

- A. Optical port loopback
- B. No login of an NE user
- C. NE communication interruption
- D. Loss of optical signals

Correct Answer: CD

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#### QUESTION 11

Which of the following ITU-T recommendations defines the OTN frame structure?

- A. G.694
- B. G.652
- C. G.975
- D. G.709



Correct Answer: D

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#### QUESTION 12

For the OSN 3500, there is a slot mapping relationship between processing boards and interface boards. The processing board in slot 1 maps to the interface board in slot 19-20.

- A. TRUE
- B. FALSE

Correct Answer: B

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#### QUESTION 13

The rates of the SF64 and SL64 boards are both STM-64. Therefore, the two boards can be interconnected.

- A. TRUE
- B. FALSE

Correct Answer: B

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#### QUESTION 14

In ITU-T G.692 recommendations, the allowed channel frequency is based on the reference frequency ( ) and the channel spacing can be 100 GHz, 50 GHz, or 25 GHz.

- A. 192.1 THz
- B. 193.1 THz
- C. 194.1 THz
- D. 196.1 THz

Correct Answer: B

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#### QUESTION 15

The frame structure of ODU4 is four times that of ODU1.

- A. TRUE
- B. FALSE

Correct Answer: B

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