H31-311 Q&As

HCIA-Transmission V2.5

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QUESTION 1

WDM multiplexes the optical signals at multiple rates (wavelengths) over one fiber for transmission. The digital signals carried by these optical signals must have the same rate and data format.

A. TRUE

B. FALSE

Correct Answer: B

QUESTION 2

TU-AIS is frequently encountered during network maintenance. Which of the following alarms can trigger the TU-AIS alarm? (Multiple Choice)

A. AU-LOP

B. R-LOS

C. HP-TIM

D. B2-EXC

Correct Answer: ABCD

QUESTION 3

Which of the following statements about the multiplex section remote error indication (MS-REI) is correct?

1.

 The B2 byte indicates the transmission channel.

2.

 The MI byte indicates the transmission channel.

3.

 MS-REI is transmitted from the sink to the source.

4.

 MS-REI is transmitted from the source to the sink.

5.

 Indicates the number of detected bit errors after the sink receives the MS signals.

A. 1 , 4 , 5

B. 2 , 4 , 5

C. 1 , 3 , 5

D. 2 , 3 , 5

Correct Answer: D

QUESTION 4

A MAC address consists of 48 bits and is globally unique. Which of the following is the meaning of the MAC address whose eighth bit is 1?

A. Unicast address

B. Bicast address

C. Multicast address

D. Broadcast address

Correct Answer: C

QUESTION 5

The STAT indicator of an SDH board is blinking red, on for 100 ms and off for 100 ms. Which of the following is the meaning of the indicator status?

A. Hardware mismatch

B. Hardware fault

C. Normal operating

D. No power supply input

Correct Answer: A

QUESTION 6

When a bridge uses the IVL learning mode, the entry in the MAC address table is created according to the source MAC address and source port of the data frame. This entry is valid for all VLANs.

A. TRUE

B. FALSE

Correct Answer: B

QUESTION 7

The backplane has two -48 V power supply cables, and each board obtains two -48 V power supplies from the backplane. After the power supplies are combined by diodes, various voltages required by each component are obtained through the DC/DC power module and linear conversion.

A. TRUE

B. FALSE

Correct Answer: A

QUESTION 8

In a WDM system, using a dielectric thin film filter (TFF) is ideal when fewer than ( ) wavelengths are used.

A. 4

B. 8

C. 16

D. 20

Correct Answer: C

QUESTION 9

Which of the following service levels cannot be selected during service configuration?

A. VC12

B. VC8

C. VC4

D. VC3

Correct Answer: B

QUESTION 10

The error correction capability of FEC is measured with the encoding gain. Which of the following statements about the encoding gain is incorrect?

A. When the BER is constant, the OSNR saved by the correction encoding is called encoding gain.

B. The error correction capability of FEC increases with the encoding gain.

C. The encoding gain of the inband FEC is larger than that of the outband FEC.

D. The encoding gain of AFEC is larger than that of FEC.

Correct Answer: C

QUESTION 11

The section overhead of STM-4 is () bytes/frame.

A. 9*9*4

B. 9*8*4

C. 9*9*8

D. 9*8

Correct Answer: B

QUESTION 12

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 13

Optical fiber loss includes the bending loss, absorption loss, and scattering loss.

A. TRUE

B. FALSE

Correct Answer: B

QUESTION 14

SDH signals must be scrambled before being transmitted over optical fibers. Which of the following bytes are not scrambled? (Multiple Choice)

A. A1

B. A2

C. J0

D. J1

Correct Answer: ABC

QUESTION 15

For 100G (112 Gbit/s) signals, the actual data baud rate is only 28G baud.

A. TRUE

B. FALSE

Correct Answer: A