

## Huawei.H31-311\_V2.5.v2026-03-12.q307

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### NEW QUESTION: 1

Topology management includes management under two views, one is the physical topology view, and the other is ()

**Answer:**

Clock view

### NEW QUESTION: 2

When the number of block errors detected by the B2 byte received at the receive end is returned to the transmit end through the MI byte, which of the following alarms or performance events are reported at the transmit end?

- A. MS\_REI
- B. MS\_BBF
- C. MS\_FEBBF
- D. MS\_AIS

**Answer: A,C (LEAVE A REPLY)**

### NEW QUESTION: 3

Linear MSP (LMSP) has two modes: 1+1 and 1:1. Additional services can only be configured for the protection channel in the 1:1 mode of LMSP.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

### NEW QUESTION: 4

SDH is a complete standard digital signal hierarchy that provides\_\_\_\_, multiplexing, and cross-connection.

(Enter only lowercase letters.)

**Answer:**

synchronous digital transmission

**NEW QUESTION: 5**

Which of the following are the main features of the overall structure of a WDM system with N- channel wavelength multiplexing? (Multiple choice)

- A. Cross unit
- B. Wavelength Division Multiplexing Unit
- C. Optical Amplifier Unit
- D. Monitoring unit
- E. Optical wavelength conversion unit

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 6**

Regarding the comparison between Raman amplifier and EDFA, which of the following statements is wrong?

- A. The gain calculation/test method of Raman amplifier and EDFA is the same, both are "Gain = Output Power - Input Power"
- B. The gain medium of the Raman amplifier is the transmission fiber; while the gain medium of the EDFA is EDF (doped fiber)
- D. The equivalent noise index of the Raman amplifier is smaller than that of the EDFA
- C. Raman amplifiers can amplify signals of different bands by selecting different pump sources, so Raman amplifiers theoretically have no gain bandwidth limitation, while EDFA has a limited gain bandwidth.

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 7**

The TNG1N401 board supports hybrid transmission of multiple ODUk granularities.

- A. TRUE
- B. FALSE

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 8**

The standard Ethernet frame length should be no less than 64 bytes, which is determined by the working mechanism of () and collision detection.

**Answer:**

Carrier Sense Multiple Access

**NEW QUESTION: 9**

The clock unit can only access the external clock source as the timing signal source of the system through the external clock interface. In addition; It can also output a processed clock and provide a clock source for other devices that need timing.

- A. True
- B. False

**Answer: B ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 10**

For OSN3500, there is a slot mapping relationship between the processing board and the interface pre-processor. The processing board in slot 1 maps to the interface board in slots 19-20.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

#### **NEW QUESTION: 11**

Which of the following descriptions about solving the system OSNR limitation problem are correct?

(Multiple choice)

- A. Enhanced HFEC error correction coding is used to improve OSNR by nearly 1 dB compared to AFEC.
- B. Use advanced modulation and coding technology to reduce the baud rate and improve OSNR tolerance.
- C. Use low noise figure NF, high performance EDFA and Ramani amplifier board, such as N13OAU1O6 or TN11RAU106, to improve the receiving OSNR of the system.
- D. Use the local oscillator laser of the same frequency to interfere with the received optical signal to improve the OSNR tolerance

**Answer: ([SHOW ANSWER](#))**

#### **NEW QUESTION: 12**

When the line board tuning granularity is ODUflex, which of the following protections can be supported?

- A. SW SNCP protection
- B. SNCP protection
- C. ODUK ring network protection
- D. ODUK SNCP protection branch

**Answer: A ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 13**

Which of the following different types of ESC are divided according to the principles of implementation? (Multiple choice)

- A. insert DCC
- B. Pilot adjusts DCC
- C. None of the above
- D. Fixed frame structure DCC

**Answer: B,D (LEAVE A REPLY)**

**NEW QUESTION: 14**

Which of the following is the meaning of "L" in the optical module parameter "L-642"?

- A. Dispersion coefficient
- B. Receiving wavelength
- C. Emission wavelength
- D. Transmission distance

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 15**

The difference between dispersion-compensating fiber and ordinary optical fiber is that dispersion-compensating fiber has a negative dispersion coefficient at ().

- A. 800nm
- B. 1650nm
- C. 1310nm
- D. 1550nm

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 16**

SES: There are 5% or more error blocks or at least one defect (OCI/AIS/LCKYAE/LTC/TIM/PLM) within one second.

- A. False
- B. True

**Answer: A (LEAVE A REPLY)**

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**NEW QUESTION: 17**

When the J1 byte does not match, an alarm () is reported and the service may be interrupted.

- A. HP\_TIM
- B. LP\_TEM
- C. HP\_SLM
- D. RS\_TEM

**Answer: A ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 18**

What are the main advantages of WDM? (Multiple choice)

- A. The system is easy to upgrade and can protect existing investments to the greatest extent possible during the upgrade
- B. Compatible with future all-optical switching networks
- C. Ultra-large capacity, "transparent" data transmission
- D. Can completely replace SDH equipment
- E. High networking flexibility, economy and reliability

**Answer: A,B,C,E ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 19**

PDM uses a polarization beam splitter to divide the laser into two vertical directions: x and y.

- A. False
- B. True

**Answer: B ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 20**

The LAN physical layer is often used for the interconnection of routers and switches. Although it is called a LAN, if a 10GBase-LR or -ER optical module is used, the transmission distance can reach 80 kilometers.

- A. False
- B. True

**Answer: ([SHOW ANSWER](#))**

#### **NEW QUESTION: 21**

OChr means the use of electrical monitoring technology.

- A. True
- B. Error

**Answer: A ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 22**

Which of the following options are the advantages of arrayed waveguide gratings?

(Multiple choice)

- A. Passband flatness
- B. Many channels
- C. Low insertion loss
- D. Small wavelength interval

**Answer: A,B,D ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 23**

Which of the following logic function blocks is used to process and generate AU-PTR?

- A. MSP
- B. MSA
- C. MST
- D. RST

**Answer: B ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 24**

Which of the following are optical layer tracking? (Multiple choice)

- A. OSC
- B. OTS
- C. OMS
- D. OCh

**Answer: ([SHOW ANSWER](#))**

#### **NEW QUESTION: 25**

Self-healing means that when a network failure occurs, the network automatically recovers from the failure in a very short time (ITU-T stipulates that it is within ()) without human intervention, so that users can hardly feel that the network has failed.

- A. 200 ms
- B. 100 ms
- C. 20 ms
- D. 50 ms

**Answer: D ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 26**

Which of the following options does WDM have for light source requirements? (Multiple choice)

- A. Larger dispersion tolerance
- B. Larger output power
- C. Output stable wavelength
- D. Output standard wavelength

**Answer: A,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 27**

When performing fiber cut-off test on an ordinary MSP ring, which of the following alarms will be reported?

(Multiple choice).

- A. YOU-AIS
- B. R-LOS
- C. APSJNDI
- D. BD

**Answer: B,C ([LEAVE A REPLY](#))**

**NEW QUESTION: 28**

Nonlinear effects are closely related to optical power. To prevent nonlinear effects, the total optical power on the optical fiber should be less than 29dBm.

- A. False
- B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 29**

The difference between dispersion compensation fibers and ordinary optical fibers is that the dispersion compensation fibers have a negative dispersion coefficient at ( ).

- A. 800nm
- B. 1310 nm
- C. 1650nm
- D. 1550nm

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 30**

Regarding the AU-AIS alarm, which of the following statements is correct?

- A. AU-PTR is composed of H1, H2, H3H3H3, so when all three are received as "1", the AU-AIS alarm will be reported.
- B. The management unit pointer part of the positive structure is all "1"
- C. When the AU-PTR value is 783, the AU-AIS alarm will be reported
- D. AU-PTR is composed of H1, H2, H3H3H3. When H1 and H2 are all "1", the AU-AIS alarm will be reported.

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 31**

In which of the following types of cabinets can the Optix OSN 9800 U32 standard subrack be installed? (Multiple choice)

- A. N63B
- B. A63B
- C. A66B
- D. N66B

Answer: ([SHOW ANSWER](#))

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#### NEW QUESTION: 32

The main causes of bit errors are () and () of the transmission system.

Answer:

Noise | Jitter

#### NEW QUESTION: 33

Which of the following boards can directly receive client-side signals?

- A. Optical transponder board
- B. Trfcutary board
- C. Line board
- D. General service processing board

Answer: A,B ([LEAVE A REPLY](#))

#### NEW QUESTION: 34

The receiving end performs BIP-8 check on the received STM-16 frame before descrambling. The result of XOR with the B1 byte of the next STM-16 frame received is 10001100. This means that several error blocks have occurred in the STM-16 frame.

Which of the following options is correct?

- A. 3
- B. 4
- C. 6
- D. 5

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 35

The number of ODU2e signals multiplexed into the ODU3 signal is the same as the number of ODU2 signals multiplexed into the ODU3 signal.

- A. False
- B. True

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 36**

In the OSN550, the CXL slot contains a function board that integrates a system control and communication (SCC) unit, a cross-connecting unit, and a clock unit. Depending on the functionality and access features provided by the OSN550, there are several types of dashboards.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 37**

In Recommendation ITU-T G.692, the allowable channel frequencies are based on the reference frequency (193.1 THz), and the channel spacing can be 100 GHz, 50 GHz or 25 GHz.

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

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 38**

Which of the following protocols does not belong to the MPLS signaling protocol?

- A. LMP
- B. LDP
- C. RSVP
- D. MP-BGP

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 39**

In an MSP ring, in which multiplex section states can a network element migrate? (Multiple choice)

- A. Switching state S
- B. Punch-through state
- C. Normal state
- D. Waiting for recovery state WVTR

**Answer: A,B,C,D (LEAVE A REPLY)**

**NEW QUESTION: 40**

Which of the following are prerequisites for self-healing networks?

- A. Intelligent network nodes
- B. Unified management by the NMS
- C. Backup routes
- D. Powerful cross-connect capabilities

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 41**

When the switch receives a data frame, it searches the MAC forwarding table based on the destination MAC address of the data frame. The result of the search is one or a group of ports. Based on the result of the search, the data packet is sent to the sending queue of the corresponding port.

- A. False
- B. True

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 42**

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

- A. C2=00H means VC-4 is not equipped
- B. The C2 byte to be sent must match the C2 byte to be received
- C. If a C2 byte mismatch is detected, an LP SLM alarm is reported in the corresponding VC-4 channel
- D. The C2 byte is used to indicate the multiplexing structure and payload attributes of the VO frame

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 43**

A PAUSE frames use reserved multicast addresses and are not forwarded by bridges or switches. In this way, the PAUSE frame does not generate any additional information.

- A. True
- B. Error

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 44**

The frame structure of OTUk at each level is the same.

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 45**

If a bit error is detected in the B1 byte, which of the following alarms will be reported by the other end?

- A. MS-AIS
- B. Not report
- C. RS-BBE
- D. RS-FEBBE

**Answer:** ([SHOW ANSWER](#))

#### **NEW QUESTION: 46**

Measure the False correction capability of fec with encoded gain. Which of the following statements about the coding gain is incorrect?

- A. The False correction capability of B.FEC increases with coding gain.
- B. The coding gain of the in-band FEC is greater than the coding gain of the out-of-band FEC
- C. When ber is constant, the OSNR saved by correcting the encoding is called the encoding gain.
- D. The coding gain of D.AFEC is greater than the coding gain of FEC.

**Answer:** B ([LEAVE A REPLY](#))

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#### **NEW QUESTION: 47**

The high-speed railway engineering disaster prevention and communication interface is the () interface.

**Answer:**

F E

#### **NEW QUESTION: 48**

Which of the following are the components of a WDM system multiplexing N wavelengths?

- A. Optical amplifier unit
- B. Supervisory unit
- C. Optical multiplexing unit
- D. Optical transponder unit

**Answer: A,B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 49**

MPLS technology introduces the concept of connection-oriented label switching on the connectionless IP network, integrating IP technology with ATM label switching technology.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 50**

AAC address consists of 46 bits and is globally unique. Which of the following is the meaning of a MAC address with the eighth bit being 1?

- A. Broadcast address
- B. Multicast address
- C. Double-click the address
- D. Unicast address

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 51**

FAS is the frame alignment overhead with a length of 6 bytes. The 1st to 3rd bytes are 3 OA1 bytes, each OA1 is always "1111 0110"; the 1st to 6th bytes are 3 OA2 bytes, each OA2 is always "0010 1000".

OA1 and OA2 are the frame alignment bytes of this frame signal, which are equivalent to A1 A2 in the SDH frame structure.

- A. False
- B. True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 52**

When the J1 byte does not match, ( ) alarm is reported and the service may be interrupted.

- A. HP\_SLM
- B. LP\_TEM
- C. HP\_TIM
- D. RS\_TEM

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 53**

A one-way loop means that the routes of service sending and receiving are inconsistent under normal network conditions. We call the service with separated routes a one-way service ( )

- A. True

B. False

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 54**

EPL services use ports and bandwidth exclusively, and different users may need to share resources. Which of the following methods can be used to isolate user data?

A. QinQ Technical Wood

B. MPLS tags

C. VLAN ID

D. All of the above

Answer: D ([LEAVE A REPLY](#))

**NEW QUESTION: 55**

G.707 multiplexing line diagram can only multiplex 2M\34M\140M signals into STM-N.

A. True

B. False

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 56**

Which of the following sites support service adding/dropping?

A. ROADM

B. FOADM

C. OLA

D. OTM

Answer: A,B ([LEAVE A REPLY](#))

**NEW QUESTION: 57**

The process from C4 to VC4 during the multiplexing process is rate adaptation.

A. False

B. True

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 58**

In the case of 1+1 linear MSP, which of the following switching modes does not require the APS protection protocol to be enabled? (Multiple choice)

A. Dual-end reply mode

B. Single-ended reply mode

C. Single-ended non-reply mode

D. Dual-ended non-reply mode

Answer: B,C ([LEAVE A REPLY](#))

**NEW QUESTION: 59**

The number of error blocks in each VC4 channel is detected by B3 at the receiving end. At the same time, this information is sent back to the transmitting end by which of the following items? and reported as HP.REI and OHP-FEBBE at the transmitting end.

- A. G1 (b5-b8)
- B. K3 (b1-b4)
- C. G1 (b1-b4)
- D. J1 (b1-b4)

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 60**

The segment overhead of STM-4 is 9+9+4 lines/frame.

- A. True
- B. False

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 61**

SDH signals must be scrambled before they can be transmitted over optical fibers. Which of the following bytes is not scrambled? (Multiple choice).

- A. J0
- B. J1
- C. A2
- D. A1

**Answer: A,C,D (LEAVE A REPLY)**

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**NEW QUESTION: 62**

Which of the following statements about the OTM-n .m and OTMnr .m for OTN are incorrect?

- A. n represents the number of wavelengths carried by the maximum capacity
- B. r represents OTM., which does not have OSC capabilities
- C. m indicates the rate. The value can be 1, 2, or 3. .

D. OTM-nr .m with OSC signal is OTM-n.m.

**Answer: C ([LEAVE A REPLY](#))**

**NEW QUESTION: 63**

The rate of SF64 and SL64 boards is STM54. Therefore, the two plates can be interconnected.

A. True

B. False

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 64**

When setting the LCAS mode, please follow the following principles: 1. If the devices at both ends are Huawei devices, please set them to "Standard Mode" 2. If Huawei devices are interconnected with third-party devices, please set the interconnected devices to the same mode according to the mode supported by the third-party devices.

A. False

B. True

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 65**

When the fiber between node A and node B is disconnected, the RU on node B detects OTS\_LOS alarm and will OTS\_BDI The ru of the alert inserted into node A of node A forces reports OTS BDI alarms. The board reports och\_SSF alarm on the downstream C node.

A. True

B. error

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 66**

Compared with WDM, which of the following options are the advantages of OTN? (Multiple choice)

A. More protection options

B. More flexible networking

C. Powerful OAM functions

D. Business scheduling is more flexible

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 67**

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

A. AU-LOP

- B. 82-EXC
- C. R-LOS
- D. HP-TIM

**Answer: A,B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 68**

Which of the following options meet the advantages of erbium-doped fiber amplifiers?  
(Multiple choice)

- A. High coupling efficiency
- B. High energy conversion efficiency
- C. High gain and high output power
- D. Gain characteristics are stable

**Answer: A,B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 69**

In OSN550, the CX slot contains a function board integrating the system control and communication (SCC) unit, the cross-connect unit and the clock unit. There are many types of function boards according to the functions and access functions provided by OSN550.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 70**

Which of the following statements about Multiplexed Section Remote Error Indication (MS-REI) are correct?

- ①The B2 byte indicates the transmission channel.
  - ②The M1 byte indicates the transmission channel.
  - ③MS-REI is sent from the sink to the source.
  - ④MS-REI is transmitted from the source to the receiver.
- Indicates the number of bit errors detected by the receiver after receiving the MS signal.

- A. ①③⑤
- B. ②③⑤
- C. ②④⑤
- D. ①④⑤

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 71**

The cascading methods for mapping Ethernet services to SDH include adjacent cascading and virtual cascading.

- A. False

**B. True**

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 72**

On a Layer 2 switching device, if an Ethernet port is an Access port, the port can only receive Ethernet frames without VLAN tags or Ethernet frames with the same VLAN ID as the default VLAN ID of the port.

**A. False**

**B. True**

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 73**

After TCM monitoring is enabled, when the upstream station detects a LOF alarm, it will insert IAE and the local end will report the ODU1\_TCMn\_IAES performance event.

**A. True**

**B. False**

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 74**

QinQ technology can be used when multiple users need to share the same VCTRUNK and use the same VLAN ID.

**A. False**

**B. True**

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 75**

When multiple users need to share the same VCTRUNK and use the same VLAN ID, QinQ technology can be used.

**A. False**

**B. True**

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 76**

Which overhead below 112 is not ODUk overhead?

**A. NJO**

**B. APs/PCc**

**C. Traditional Chinese Medicine**

**D. PM**

**Answer: A (LEAVE A REPLY)**

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#### **NEW QUESTION: 77**

The refractive index of the core  $n_1$  () and the refractive index of the cladding  $n_2$  are necessary conditions for the transmission of optical signals in optical fibers.

- A. Greater than
- B. Equal to
- C. less than

**Answer: (SHOW ANSWER)**

#### **NEW QUESTION: 78**

Which of the following is correct about the difference between a wide area network and a local area network?

- A. WANs usually exist within a small geographic area D. WANs use tokens to control network communications
- B. Wide area network provides high-speed and multiple access services
- C. Wide area networks are mainly accessed through low-speed serial interfaces

**Answer: B (LEAVE A REPLY)**

#### **NEW QUESTION: 79**

Which of the following options are included in the advantages of Liquid OTN? (Multiple choice)

- A. Minimalistic architecture
- B. Flexible and efficient
- C. Ubiquitous connectivity
- D. Ultra-low latency

**Answer: A,B,C,D (LEAVE A REPLY)**

#### **NEW QUESTION: 80**

FOADM sites can be divided into parallel FOADM and serial FOADM. When the number of waves is large, it is recommended to use parallel FOADM.

- A. False
- B. True

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 81**

NE A and NE B are adjacent NE

If B3 and low-order Falses occur in the A->B direction, and B1, B2, B3, and low-order Falses occur in the B->A direction, it is caused by Which of the following performance events does NEA report? (Multiple choice).

- A. RSBEE
- B. MSFEBBE
- C. HPBBE
- D. RSFEBE
- E. HPFEBBE
- F. MSBBE

**Answer: A,C,E,F (LEAVE A REPLY)**

**NEW QUESTION: 82**

Manual configuration will clear the data on the NE side

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 83**

QinQ technology can be used when multiple users need to share the same VCTRUK and use the same VLAN ID.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 84**

The emergence of QinQ is mainly aimed at which of the following prominent problems in the network? (Multiple choice)

- A. The price of a board supporting MPLS is very high, which is unaffordable for small users.
- B. The network's VLAN space is insufficient.
- C. Network configuration and maintenance work is relatively complicated
- D. Many vendors' Layer 3 switches do not support MPLS functions

**Answer: A,C,D (LEAVE A REPLY)**

**NEW QUESTION: 85**

Number of signal bytes/frame rate of signal = ()

**Answer:**

The frame period of the signal

**NEW QUESTION: 86**

1:N linear multiplex section protection: when the working channel is unavailable, the service is switched to the protection channel for transmission, and the additional service originally transmitted on the protection channel is interrupted.

- A. True
- B. False

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 87**

LCK insertion takes precedence over AIS insertion. That is, if the user configures LCK insertion and the conditions for automatic AS insertion are met, the LCK is inserted.

- A. True
- B. False

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 88**

Which types of destination MAC addresses in Ethernet frames can be classified into?  
(Multiple choice)

- A. Unicast address
- B. Multicast address
- C. Multicast address
- D. Broadcast address

**Answer:** A,C,D ([LEAVE A REPLY](#))

**NEW QUESTION: 89**

What are the options for the switch's switching mode? (Multiple choice)

- A. Store-and-forward mode
- B. Fragment Isolation Mode
- C. Direct mode
- D. Broadcast Mode

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 90**

The difference between ASON network and ordinary network is that it introduces the concept of signaling.

- A. False
- B. True

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 91**

Which of the following options are insufficient for Erbium-doped Fiber Amplifiers? (Multiple choice)

- A. Gain non-flatness
- B. Low noise index
- C. Optical surge problem
- D. Gain range is fixed and limited

Answer: ([SHOW ANSWER](#))

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**NEW QUESTION: 92**

Which of the following alarms will not trigger an AU-AIS alarm?

- A. MS-AIS
- B. R-Los
- C. B2-EXC
- D. AU-LOP

Answer: D ([LEAVE A REPLY](#))

**NEW QUESTION: 93**

When ODUk 5NCP is configured, common WDM services can be converted into SNCP services, but SNCP services cannot be converted into common WDM services.

- A. FALSE
- B. TRUE

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 94**

Assume that two VC12 time slots need to be bound to VCTRUNK1 of the N2EFS4 board. When there are 8 V04 time slots on the N2EFS4 board, which of the following time slots meets the requirement?

- A. Timeslots 1 and 2 of the eighth VC4 of VC-12
- B. VC-12 timeslots 33 and 34 of the second C-4
- C. VC12 timeslots 1 and 2 of the first VC4
- D. Vc12 time slots 1 and 2 of the fourth vC4

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 95**

Which of the following bytes in the regenerator section overhead are associated with ROOF and R- LOF? (Multiple choice)

- A. A1
- B. B1
- C. B2
- D. A2

**Answer: A,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 96**

Some SNCP protection inversion conditions are default, such as AU-AIS and TU-AIS. Other conditions are optional, such as HP-TIM and HP-SLM. Optional conditions can be flexibly set according to the level of the costume.

- A. True
- B. Error

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 97**

Which of the following clock operating modes supports the ITU-TG781 standard? (Multiple choice)

- A. Free running
- B. Maintain
- C. Tracking
- D. Master/Slave

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 98**

Which of the following layers define the protocols that control the network layer? The protocol for this layer applies to logical links, i.e. end-to-end connectivity between two devices.

- A. Transport Layer
- B. Application layer
- C. Network layer
- D. Data link layer

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 99**

Which of the following statements about pointer adjustment are correct? (Multiple choice)

- A. Pointer adjustment is independent of the payload content

**B.** When the pointer is adjusted, the information payload in the information payload area will decrease

**C.** When the pointer is not adjusted, the information payload in the information payload area will remain unchanged

**D.** When the pointer is adjusted, the information payload in the information payload area will increase

**Answer: B,C ([LEAVE A REPLY](#))**

**NEW QUESTION: 100**

NGWDM adopts LO-L1+L2 triple-extension architecture, in which the L2 layer implements switching based on Ethernet/MPLS-TP, the L1 layer implements switching based on ODUk/C, and the L0 layer implements switching based on I/O.

**A.** False

**B.** True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 101**

Which of the following methods are included in WDM networking and application? (Multiple choice)

**A.** Point to point

**B.** Ring

**C.** Chain type

**D.** Mesh

**Answer: A,B,C ([LEAVE A REPLY](#))**

**NEW QUESTION: 102**

The multi-frame loaded 2M signal is the information of which time period?

**A.** 500ms

**B.** 125us

**C.** 500us

**D.** 125ms

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 103**

The device IP address of the gateway element and the non-gateway element must be set in the same network segment.

**A.** True

**B.** False

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 104**

When you configure services on a per-NE basis, which of the following protection scenarios does not require subnet configuration before subsequent protection operations?

- A. SNCP
- B. PSMA
- C. MSP and SNCP
- D. MSP

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 105**

U-PTR is an indicator used to indicate the position of the information net load in the STM-N frame, so that the receiving end can correctly separate the information net load according to the value of this position indicator (pointer value). Therefore, as long as the pointer points to the information net load area, the receiving end can correctly separate the service signal.

- A. False
- B. True

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 106**

Dynamic PW refers to a PW established through a signaling protocol. Currently, the main PW signaling protocol is RSVP-TE.

- A. True
- B. False

**Answer: B (LEAVE A REPLY)**

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#### **NEW QUESTION: 107**

Which of the following device domains can be managed by U2000? (Multiple choice)

- A. Access Device
- B. Data communication equipment
- C. Transport equipment
- D. Wireless Devices

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 108**

Which of the following is the main networking type of a transmission network?

- A. Chain network
- B. P2P network
- C. Ring network
- D. Mesh network

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 109**

Which of the following is the protection method of TPS?

- A. N protection
- B. 1:N protection
- C. 1+1 protection
- D. 1:1 protection

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 110**

Which of the following ITLI-T recommendations define the OTN frame structure?

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

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 111**

PDM uses a polarization beam splitter to divide the laser into two vertical directions: x and y.

- A. True
- B. Error

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 112**

MAC forwarding table: Which of the following items does it contain? (Multiple choice)

- A. AIP address
- B. MAC address
- C. If VLANs are assigned on the switch, the VLAN ID is also included
- D. One or a group of port numbers

**Answer: B,C,D (LEAVE A REPLY)**

**NEW QUESTION: 113**

Which of the following descriptions are correct? (Multiple choice)

- A.** Both the two-fiber bidirectional multiplex section protection ring and the four-fiber bidirectional multiplex section protection ring have an effect on the nodes within the ring. The main reason is determined by the K1 and K2 bytes in the APS protocol.
- B.** The difference between 1+1 linear MSS and 1:1 linear MSS is whether APS is required.
- C.** 1:1 linear multiplex segment can be equipped with additional services, and its switching mode is only dual-end recovery switching
- D.** The APS protocol of the four-fiber bidirectional multiplex section protection ring is carried by the protection fiber.

The protection mode of ESNCP protection is "double-send, selectively receive", which is particularly suitable for decentralized services.

**Answer: A,C,D (LEAVE A REPLY)**

**NEW QUESTION: 114**

A subnet can contain other subnets.

- A.** True
- B.** False

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 115**

Measure the error correction capability of fec with encoded gain. Which of the following statements about the coding gain is incorrect?

- A.** When ber is constant, the OSNR saved by correcting the encoding is called the encoding gain.
- B.** The coding gain of D.AFEC is greater than the coding gain of FEC.
- C.** The coding gain of the in-band FEC is greater than the coding gain of the out-of-band FEC
- D.** The error correction capability of B.FEC increases with coding gain.

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 116**

Complex flow classification refers to classifying packets based on the ToS (Type of Service) field of IP packets, user priority, or the EXP field of MPLS packets to identify traffic with different priority characteristics.

- A.** False
- B.** True

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 117**

In the process of data service adjustment, we often use the PING command to verify whether the Ethernet service at both ends of the device is established. If the port with IP address 129.9.0.1 is PINGed 200 times with a data packet length of 1000 bytes, what is the DOS command?

- A. ping129.9.0.1-i200-n1000
- B. ping129.9.0.1-i200-t1000
- C. ping129.9.0.1-i1000-t200
- D. ping129.9.0.1-i1000-n200

**Answer: D (LEAVE A REPLY)**

#### **NEW QUESTION: 118**

Regarding the processing of data frames by the data board port, which of the following descriptions are correct? (Multiple choice)

- A. Hybrid ports can realize mixed transmission of tag and untag services
- B. When the Ethernet port is set to Tag aware1, you do not need to set the port's default VLAN ID. You only need to set the port's default VLAN ID when it is set to esS.
- C. For ports set to tag Aware, the port can only discard data without VLAN tags.

**Answer: A,C (LEAVE A REPLY)**

#### **NEW QUESTION: 119**

Compared with PDH, the main advantages of SDH are reflected in which of the following aspects?

(Multiple choice)

- A. Operation and maintenance
- B. Strong compatibility
- C. Synchronous multiplexing
- D. Interface Specification
- E. High frequency band utilization

**Answer: A,B,C,D (LEAVE A REPLY)**

#### **NEW QUESTION: 120**

When configuring 1+1 optical line protection, you can select R11TO1 or R12/T02 as the working channel according to actual conditions.

- A. True
- B. False

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 121**

When configuring LMSP, there are two switching modes: single-ended switching and double-ended switching. Single-ended switching does not require the protection protocol to be enabled.

- A. True
- B. False

**Answer: A ([LEAVE A REPLY](#))**

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**NEW QUESTION: 122**

Which of the following is the basic requirement of DWDM system on the light source?

- A. Low dispersion tolerance
- B. Output wavelength is stable
- C. Using direct modulation method
- D. High transmission power

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 123**

() is a parameter used to describe the reliability of the transmission system.

**Answer:**

Bit Error Rate

**NEW QUESTION: 124**

There are many types of optical wavelength division multiplexers. Which ones are listed below?

(Multiple choice)

- A. Arrayed waveguide optical array
- B. Grating type
- C. Interference filter type
- D. Filter Type

**Answer: A,B,C ([LEAVE A REPLY](#))**

**NEW QUESTION: 125**

Which of the following is not a condition for triggering multiplex section protection (MSP)?

- A. R-LOF detected
- B. R-LOS detected

- C. Detection of AU-AIS
- D. MS-AIS signal detected

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 126**

The 1310nm and 1550nm transmission windows are low-loss windows. In a DWDM system, only the 1550nm transmission window is used. Which of the following is the main reason?

- A. The nonlinear effect in the 1550nm wavelength region is very small
- B. None of the above
- C. 1550nm wavelength region is suitable for long-distance transmission
- D. The EDFA operating wavelength flatness region is included in this window

**Answer:** D ([LEAVE A REPLY](#))

**NEW QUESTION: 127**

For SDH equipment, in the STM-N frame structure, the rate corresponding to each bit is () b/s.

**Answer:**

8K

**NEW QUESTION: 128**

Which of the following statements about the EFS4 board are correct? (Multiple choice).

- A. The plate must be used with the processing plate.
- B. The board has four FE ports. .
- C. The board supports three layers of text exchange. .
- D. The board interface is the LC interface.

**Answer:** B,C ([LEAVE A REPLY](#))

**NEW QUESTION: 129**

The "2" in the optical module parameter "L-64.2" indicates which of the following working windows?

- A. 1310nm
- B. 1510nm
- C. 880nm
- D. 1550nm

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 130**

The scope of management of OMSn is the path from the input optical port on the multiplexer unit of the sending site to the output optical port on the multiplexer unit of the receiving site, called the optical multiplexing segment (OMS) path.

- A. True
- B. Error

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 131**

Which of the following statements about ODUk\_PM\_BDI is correct?

- A. ODUk PM signal degradation
- B. ODUk PM part BIP8 bit False threshold crossover
- C. ODUkPM follows the defect indication
- D. ODUkPM parallel connection indication

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 132**

Which of the following bytes is used to monitor the bit error of the regeneration section signal stream?

- A. V5
- B. B1
- C. B3
- D. B2

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 133**

The video system and transmission connection port in the base station is ().

**Answer:**

FE interface

**NEW QUESTION: 134**

Which of the following are communication quality alerts? (Multiple choice).

- A. NE communication in the
- B. Optical signal loss
- C. There is no login user
- D. Optical port loopback

**Answer: A,B ([LEAVE A REPLY](#))**

**NEW QUESTION: 135**

The DWDM system has extremely high requirements on the stability of the light source.

Which of the following factors affect the stability of the light source? (Multiple choice)

- A. Temperature
- B. Humidity
- C. Driving current
- D. Packaging

**Answer: A,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 136**

Which of the following can be configured as the monitoring time for network element performance events?

- A. Earlier than the current time
- B. Same as the current time of NE
- C. Later than the current time
- D. Any time

**Answer: ([SHOW ANSWER](#))**

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**NEW QUESTION: 137**

Which of the following is the multiplexing method of SDH?

- A. Flexible mapping and synchronous multiplexing
- B. Flexible mapping
- C. Asynchronous multiplexing
- D. Flexible mapping and asynchronous multiplexing

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 138**

QinQ technology can be used when multiple users need to share the same VCTRUNK and use the same VLAN ID.

- A. True
- B. Error

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 139**

Which of the following errors will definitely trigger the optical line protection switching?  
(Multiple choice)

- A. MUT\_LOS
- B. POWER\_DIFF\_OVER

C. R\_LOS

D. R\_LOF

**Answer: A,B ([LEAVE A REPLY](#))**

**NEW QUESTION: 140**

Which of the following alarm/event storage modes does U2000 support? (Multiple choice).

A. Automatic pouring

B. Manual dumping

C. overflow does invert ()

D. Dump the alarm log periodically

**Answer: B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 141**

The maximum transmission distance of Ethernet depends on factors such as line quality and signal attenuation.

A. False

B. True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 142**

Which of the following features must be enabled on the port when configuring a VLAN-based service type?

A. Auto-negotiation mode

B. Enter the test

C. Flow Control

D. Broadcast suppression

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 143**

During service configuration, which of the following service levels cannot be selected?

A. VC8

B. vC4

C. VC12

D. VC3

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 144**

A 2.2m cabinet can accommodate up to which of the following OSN 2500 sub-racks?

A. 3

B. 4

C. 2

D. 1

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 145**

Which of the following options are common signal failure alarms? (Multiple choice)

A. R\_LOS

B. R\_LOF

C. B2\_EXC

D. B2\_SD

Answer: A,B,C ([LEAVE A REPLY](#))

**NEW QUESTION: 146**

When the optical signal-to-noise ratio drops to a certain level, it will seriously endanger the performance value of the system.

A. True

B. False

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 147**

PAUSE frames use a reserved multicast address and are not forwarded by bridges or switches.

Thus, PAUSE frames do not generate any additional information.

A. False

B. True

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 148**

Only one TCM can be used at one site

A. False

B. True

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 149**

Which type of board does TQM belong to?

A. Optical Amplifier

B. Branch board

C. Circuit board

D. Branch line integrated board

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 150**

Which is the basic requirement of DWDM system for light source?

- A. High luminous power
- B. Output wavelength is relatively stable
- C. Using direct modulation method
- D. Dispersion tolerance is relatively low

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 151**

For Huawei equipment, NODE ID is the unique identifier of the intelligent network element in the control plane. After the network is configured with intelligent services, the NODE ID will no longer be modified during construction.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

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**NEW QUESTION: 152**

If a network port that supports autonegotiation is connected to a network port that does not support autonegotiation, you can interconnect in both half-duplex and full-duplex modes.

- A. True
- B. False

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 153**

Which of the following light sources has the best dispersion tolerance and stability?

- A. None of the above
- B. Mach-Zehnder modulated light source
- C. EA modulated light source
- D. Directly modulated light source

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 154**

The number of ODU2e signals multiplexed into the ODU3 signal is the same as the number of ODU2 signals multiplexed into the ODU3 signal

- A. yes
- B. False

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 155**

PRBS can be used to test that the SDH service is healthy and that the protection reversal function is working.

- A. False
- B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 156**

If one device does not support auto-negotiation, but the other device does, the other device may operate in half-duplex mode (Q107).

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 157**

Are the following statements regarding the definition of SDH correct?

- A. A hierarchy of standardized digital signals that can be asynchronously reused
- B. Complete hierarchy of standard mathematical signals, providing simultaneous digital transmission multiplexing and cross-connectivity
- C. hierarchy that can be used for asynchronous digital transfers
- D. A hierarchy of standardized digital signals that can be cross-connected asynchronously

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 158**

Which of the following are types of service boards for MSTP equipment? (Multiple choice)

- A. Service processing board with interface
- B. Auxiliary board
- C. Interface board
- D. Service Processing Board

**Answer: A,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 159**

When the low-level resources of the device are insufficient, which of the following measures can be taken? (Multiple choice).

- A. Combine available low-level resources. (.)

- B. Configure the VC4 service. .
- C. Use a crossover connection board with a large low-level cross-connection
- D. Configure VC4 Server Path

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 160**

In a 3-7-3 multiplexing line, one VC-12 can transmit ( ) 2.048 Mbit/s signal.

**Answer:**

1

**NEW QUESTION: 161**

Which of the following descriptions about overhead bytes is wrong?

- A. A1, A2: Framing bytes, which correctly select and separate individual STM-1 frames in the received signal stream.
- B. E1, E2: Business contact bytes, providing business contact voice channels.
- C. B1: Bit interleaved parity 8-bit code BIP-8, used for regeneration section layer error monitoring.
- D. OJO: Regeneration segment trace byte, used to repeatedly send the segment access point identifier so that the receiving end can confirm that it is in a continuous connection with the specified sending end.

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 162**

TTL, time to live, is mainly used to limit the number of hops that an IP data packet can pass through the router in the network. If TTL=1, it means that the data packet can only be transmitted in its own LAN.

- A. False
- B. True

**Answer:** B ([LEAVE A REPLY](#))

**NEW QUESTION: 163**

Which of the following statements about the MSP ring is correct? (Multiple choice).

- A. Create a protection sub and select only the SDH network element. Do not select REG or WDM network elements.
- B. When multiple protection subnets occupy the same port on the same board, "resource sharing" must be reached.
- C. is assigned by VC4 means that different VCs4 are assigned to different protection subnets to implement MsPs only in certain channels
- D. The number of nodes on the MSP ring cannot exceed 16. .

**Answer:** A,B,C,D ([LEAVE A REPLY](#))

**NEW QUESTION: 164**

According to the formula "ODUk rate = 239/(239k) x STMN frame rate", ODU4 The rate is equal to 239 /235× STMN frame rate.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 165**

HUB is a multi-port repeater. When HUB is the central device, if a line in the network fails, it will not affect the operation of other lines.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 166**

Which of the following options are available for ODUk SNCP switching conditions?  
(Multiple choice)

- A. OTUK\_LOF
- B. R\_LOS
- C. Main control module failure
- D. OSC LOS

**Answer: (SHOW ANSWER)**

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**NEW QUESTION: 167**

If a weak signal light and a strong pump light are transmitted simultaneously in an optical fiber, and the wavelength of the weak signal light is within the Raman gain bandwidth of the pump light, the energy of the strong pump light is combined into the oscillation mode of the silicon material of the optical fiber through stimulated Raman scattering (SRS), and then emitted at a longer wavelength, which is the wavelength of the signal light, thereby amplifying the weak signal light and obtaining Raman gain.

A. FALSE

B. TRUE

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 168**

For ODUk SNCP protection, if the pass-through site is an electrical relay site, it is recommended to configure the SNCP type as SNC/I when configuring the protection.

A. False

B. True

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 169**

Which of the following are communication quality alerts? (Multiple choice)

A. Optical port loopback

B. No user logged in to the network element

C. Loss of optical signal

D. NE Communications

Answer: C,D ([LEAVE A REPLY](#))

**NEW QUESTION: 170**

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

A. Payload

B. Preamble

C. Frame check sequence

D. start frame delimiter

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 171**

In the OTN standard system, which of the following protocols defines optical transport network interfaces?

A. G.8/4

B. G.709

C. G.694

D. G.798

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 172**

LCK insertion takes precedence over AIS insertion. That is, if the user configures LCK insertion and the conditions for automatic AIS insertion are met, LCK is inserted.

A. False

B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 173**

Which of the following statements about the sequence of a signal flow between the SDH interface and the cross-connect unit is true?

- A. SPI<>R5T<>MSA<>M5P<>MST<>HPT
- B. SPT<>MST<>MSA<>RST<>MSP<>HPT
- C. SPI<>R5T<>MST<>MSP<>MSA<>HPT
- D. SPI<>MST<>RST<>MSA<>MSP0HPT

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 174**

Which of the following statements are correct? (Multiple choice)

- A. Hub can be used to build a local area network
- B. Generally, Hubs have routing functions.
- C. Hub is also usually called a hub, which can generally be used as an address translation device
- D. All PCs under a shared Ethernet Hub belong to the same central domain

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 175**

MSTP (Multi-Service Transport Platform) is a multi-service transmission technology based on (), which can simultaneously realize the access, processing and transmission of multiple services such as TDM, ATM, Ethernet, IP, etc.

**Answer:**

SDH

**NEW QUESTION: 176**

Which of the following descriptions of the OTUk frame format is wrong?

- A. The OTUk format is a matrix of x4080 byte columns.
- B. The 17 to 3825 byte columns in the OTUk frame format are payload data
- C. The 3825 to 4080 byte columns in the OTUk frame format are the FEC coded numbers.
- D. Bytes 1 to 16 in the OTUk sequential format are overhead bytes

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 177**

Which of the following board configurations for ROADMs are correct? (Multiple choice)

- A. WSM9+WSD9
- B. WSM9+RDU9
- C. WSMD9

D. WSD9+RMU9

**Answer: B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 178**

When the sender detects that b6-b8 of the K2 byte is 110, it means that the sender reports a () alarm.

A. R-LOS

B. MS-AIS

C. MS-RDI

D. R-LOF

**Answer: C ([LEAVE A REPLY](#))**

**NEW QUESTION: 179**

When the low-level resources of the device are insufficient, which of the following measures can be taken? (Multiple choice)

A. Configure the VC4 server path

B. Configure VC4 service

C. Use a cross-connect board with larger low-order cross-connect capacity

D. Combining available low-level resources

**Answer: B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 180**

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

A. Powerful OAM functions

B. Large capacity

C. Strong compatibility

D. Interface Specifications

E. Synchronous multiplexing

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 181**

For monitoring channels, OSC and ESC can coexist in one network.

A. False

B. True

**Answer: B ([LEAVE A REPLY](#))**

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**NEW QUESTION: 182**

A subnet mask is a 32-bit address consisting of a string of 1s followed by a string of 0s, such as:

255.255.0.255 is a valid subnet mask.

A. False

B. True

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 183**

K1 and K2 bytes can send APS switching signaling or indicate that the multiplexed segment signal is invalid.

A. Error

B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 184**

Which of the following local maintenance terminals can be used to manage MSTP equipment?

A. U2000 Web LCT

B. U2000 IP LCT

C. U2000 LCT

D. All of the above

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 185**

For alignment; Indicates the starting position of VC-n in the corresponding AU or TU frame.

\* This way: The receiver can correctly remove the corresponding VC from STM-N, and then The VC and C packages are separated into separate low-rate signals, such as PDH, which means that the low-rate path signal can be dropped directly from the STM-N signal.

A. Error

B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 186**

When Severely Errored Seconds (SES) occur in the PM portion of the ODUk layer, which of the following alarms will the NMS report?

- A. ODUk PM SES
- B. ODUK PM UAS
- C. ODUK PM SESR
- D. ODUK\_PMES GSPO

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 187**

Multicast forwarding can be understood as selective broadcasting. The host listens to a specific multicast address, receives and processes frames whose destination MAC address is the multicast MAC address.

- A. False
- B. True

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 188**

The frame period of OTN signal is fixed and the same as the frame period of SDH signal.

- A. False
- B. True

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 189**

If you group SNCP services with the same source, sink, or route, you can increase the SNCP switching speed

- A. Error
- B. True

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 190**

The encapsulation formats of TMD E1 service PWE3 mainly include SAToP mode and CESoPSN mode. The main difference lies in whether the structure and processing overhead of TDM signal are perceived.

- A. False
- B. True

**Answer:** B ([LEAVE A REPLY](#))

**NEW QUESTION: 191**

For OSN products, changing which of the following parameters will cause the network element to reset?

- A. Network element name
- B. Network element subnet mask
- C. network element ID

D. Network element IP

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 192**

Tunnel/VC are two types of labels in MPLS.

A. False

B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 193**

output networks require higher costs than belt networks, but provide a more reliable management channel.

A. True

B. False

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 194**

In MSP networking, when the optical fiber is connected between sites, the east light plate of the site is connected to the west light plate of the downstream site, and these stations are connected in turn to form a ring. In this case, the direction from the toko plate of the site to the wine light plate of the downstream station is the direction of the main ring, and the direction of forming the ring is the direction of service.

A. Error

B. True

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 195**

UNS5 board supports mixed transmission of OTN services, SDH services and packet services with a total bandwidth not exceeding 200Gbit/s.

A. False

B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 196**

HONET integrated service access network belongs to () access method.

**Answer:**

Fiber Optic

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**NEW QUESTION: 197**

When using scripts to back up and restore the network configuration data of the U2000, you can change the directory where the exported files are saved.

- A. True
- B. False

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 198**

To which of the following levels does the U2000 network management belong?

- A. Network-level management system
- B. Network element level management system
- C. Subnet-level management system
- D. Regional level management system

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 199**

The information payload area stores only the information payload.

- A. False
- B. True

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 200**

In Ethernet, the frame length has a lower limit, which is mainly due to the following considerations?

- A. Multi-point access
- B. Carrier Sense
- C. Conflict Detection
- D. Improve network bandwidth utilization

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 201**

What is the line code type of the commonly used SDH optical interface?

- A. CMI code
- B. 8B10B code
- C. HDB3 code
- D. Scrambled NRZ code

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 202**

Physical port: also known as MAC port, which is the external port of the board.

- A. True
- B. False

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 203**

TMD E1 PWE3 encapsulation is used to solve the transmission of E1 services. What is the frame rate of E1 services per second? Which of the following is correct?

- A. 2000 frames
- B. 10000 frames
- C. 8000 frames
- D. 4000 frames

**Answer: C ([LEAVE A REPLY](#))**

**NEW QUESTION: 204**

OPC is an optical layer platform board that needs to be used with a pluggable module to work properly.

- A. True
- B. False

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 205**

The subnet mask of 255.255.255.248, according to the calculation formula, can accommodate 23 devices, or 8 devices.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 206**

The frame rate of STM-1, STM-4, STM-16, and STM-64 signals is the same 8000 frames per second.

- A. False
- B. True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 207**

Which of the following modulation technologies has the best performance in terms of wavelength stability?

- A. Direct modulation
- B. EA modulation
- C. Indirect modulation
- D. M-Z modulation

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 208**

In a wavelength division multiplexing system, when the number of wavelengths is less than how many, is it ideal to use a dielectric thin film filter?

- A. 4
- B. 10
- C. 16
- D. 24

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 209**

Array waveguide grating (AWG) multiplexer/multiplexer has the following advantages: short wavelength spacing, large number of channels and flat passband. Suitable for DWDM systems in ultra-high speed, large tubes.

- A. True
- B. Error

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 210**

The OTUCn signal rate does not include the FEC overhead area.

- A. TRUE
- B. FALSE

**Answer:** B ([LEAVE A REPLY](#))

**NEW QUESTION: 211**

For a (local) HA solution where the active and standby servers are deployed at the same location, which of the following platforms can be deployed? (Multiple choice)

**Answer:**

- B.C.

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#### **NEW QUESTION: 212**

The initial value of the Sequence number in the ETH PWE3 encapsulation frame format is randomly generated, and the value decreases by one each time a data packet is sent.

- A. True
- B. False

**Answer: (SHOW ANSWER)**

#### **NEW QUESTION: 213**

What kind of cascading method does the EoS board of OptiX OSN equipment use to form VCTRUNK?

- A. Adjacent Cascade
- B. Real Cascade
- C. Virtual Cascading
- D. Non-adjacent cascade

**Answer: C (LEAVE A REPLY)**

#### **NEW QUESTION: 214**

Which of the following statements about the frame structure of SDH signals are correct? (Multiple choice)

- A. The frame period of different levels of SDH signals is the same
- B. SDH signal is byte interleaved by column
- C. SDH signals of different rates have different frequencies.
- D. The information payload area only carries the information payload

**Answer: A,C,D (LEAVE A REPLY)**

#### **NEW QUESTION: 215**

The dual-fiber ring topology consisting of three network elements is arranged in counterclockwise order as AB, CA and the service between C occupies the 48th VC-12 time slot of the first VC4 on the short path, and the service between B and C also occupies the 48th VC-12 time slot of the first VC-4 on the short path.

In this case, which of the following is the type of subnet that the ring protects?

- A. Single-path protection ring

- B. All of the above
- C. SNCP ring
- D. Bidirectional MSP ring

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 216**

SES: There are 5% or more of the False blocks or at least one defect (OCI/AIS/LCK/IAE/LTC/TIM/PLM) in one second.

- A. True
- B. False

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 217**

RSOH, MSOH, HPOH and LPOH implement the monitoring function in descending order of the monitoring fan country.

- A. Error
- B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 218**

Which of the following bytes can be used for wired phones between two REG devices?

- A. E1 and E2
- B. None of the above
- C. E2
- D. E1

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 219**

The number of bytes in the segment overhead in the STM-1, STM-4, STM-16, and STM-64 frame structures is the same.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 220**

The process of multiplexing 2M signals into STM-N signals can be simply summarized as 3-7-3 multiplexing. There are two multiplexing modes: () mode and () mode

**Answer:**

Sequence | Interleaving

**NEW QUESTION: 221**

Which of the following correctly describes the order in which the signal flow between the SDH interface and the cross-unit passes through the module units?

- A. SPIMSTRSTMSAMSPHPT
- B. SPTMSTMSARSTMSPHPT
- C. SPIRSTMSAMSPMSTHPT
- D. SPIRSTMSTMSPMSAHPT

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 222

Arrayed waveguide grating optical wavelength division multiplexing device has the advantages of small wavelength spacing, large number of channels, and flat passband. It is very suitable for use in ultra-high-speed, large-capacity wavelength division multiplexing systems.

- A. True
- B. False

Answer: A ([LEAVE A REPLY](#))

#### NEW QUESTION: 223

If the virtual cascade group at one end of the equipment has LCAS enabled, but the other end has not enabled LCAS, the local end reports the LCAS\_FOPR alarm.

- A. True
- B. False

Answer: A ([LEAVE A REPLY](#))

#### NEW QUESTION: 224

The 1510nm optical monitoring channel can be effectively amplified after passing through EDF

- A. False
- B. True

Answer: A ([LEAVE A REPLY](#))

#### NEW QUESTION: 225

Which of the following is the step for China to multiplex 2M into AUG?

- A. C-12->VC-12->TU-12->TUG-2->VC-3->TUG-3->AU-4->AUG
- B. C-12->VC-12->TU-12->VC2->TUG-2->FUG-3->AU-4->AUG
- C. C-12>VC-12->TU-12->TUG-2->VC-3->AU-4->AUG
- D. C-12->VC-12->TU-12->TUG-2->TUG-3->VC-4->AU-4->A0G

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 226

PDM uses a polarization beam splitter to split the laser into two perpendicular directions: x and y.

- A. True
- B. False

Answer: ([SHOW ANSWER](#))

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#### NEW QUESTION: 227

Which of the following is not the northbound interface provided by the U2000?

- A. CORBA
- B. SNMP
- C. ox
- D. XML

Answer: C ([LEAVE A REPLY](#))

#### NEW QUESTION: 228

In the wavelength division system, what are the key technologies? (Multiple choice)

- A. Monitoring Technology
- B. Optical Amplifier Technology
- C. Light source technology
- D. Optical multiplexing and demultiplexing technology

Answer: ([SHOW ANSWER](#))

#### NEW QUESTION: 229

Which of the following statements are correct regarding the use of J0 bytes? (Multiple choice)

- A. If the J0 byte is mismatched, all "1"s are inserted into the lower level signal
- B. The J0 byte indicates the position of each STM-1 in the STM-N
- C. There is only one J0 byte in the STM-N frame
- D. This byte is used to repeatedly send the segment access point identifier

Answer: B,C,D ([LEAVE A REPLY](#))

**NEW QUESTION: 230**

The frame rate ( ) and transmission rate of different levels of STM levels are different.

**Answer:**

Same

**NEW QUESTION: 231**

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

A. False

B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 232**

When BIP-8 in the OTUk segment monitoring overhead SM detects a bit error block, what alarm may be reported? (Multiple choice)

A. ODUk\_DEG

B. OTUk\_DEG

C. OTUk\_EXC

D. ODUk\_EXC

**Answer: B,C ([LEAVE A REPLY](#))**

**NEW QUESTION: 233**

Adjacent cascades can be converted into virtual cascades, but virtual cascades cannot be converted into adjacent cascades.

A. False

B. True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 234**

After signals are transmitted for a certain distance in a WDM system, the optical signal-to-noise ratio (OSNR) at the receive end decreases to a certain extent. Which of the following is the main cause?

A. EDfAs are used.

B. Fiber attenuation is excessively high.

C. Multiplexers and demultiplexers are used.

D. New types of optical fibers are not used.

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 235**

RSOH, MSOH, HPOH and LPOH complete the monitoring functions in a layered manner.

A. True

B. False

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 236**

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

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 237**

The last 256 columns in the OTN frame structure are the FEC regions for forward False correction.

- A. False
- B. True

**Answer: B ([LEAVE A REPLY](#))**

**NEW QUESTION: 238**

SP3D board supports 63 E1 services

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 239**

Which of the following is the main advantage of SDH? (Multiple choice).

- A. High compatibility.
- B. Synchronous multiplexing.
- C. Powerful OAM
- D. standard interface.

**Answer: A,B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 240**

Currently, 32-bit IP addresses are no longer sufficient, and MPLS labels are only 20 bits, so MPLS labels will not be sufficient as the network becomes larger.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 241**

Compared with traditional SDH and SONET equipment, which of the following advantages does OTN have? (Multiple choice)

- A. provides powerful out-of-band FEC function, effectively ensuring line transmission performance
  - B. Provide 2.7Gb/s, 10.7Gb/s, 43Gb/s and even 111.8Gb/s high-speed interfaces
  - C. Meeting the transmission bandwidth requirement of each optical Tb/s through wavelength division function
  - D. Support special virtual cascade transmission mode to improve and optimize the network structure
  - E. Provides up to 5 levels of nested TCM connection monitoring
- Answer: A,B,C,D (LEAVE A REPLY)**

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**NEW QUESTION: 242**

In a wavelength division multiplexing system, when the wave number exceeds how many wavelengths, is it recommended to use an arrayed waveguide grating (AWG)?

- A. 16
- B. 8
- C. 4
- D. 20

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 243**

When the bridge uses IVL learning mode, an entry in the MAC address table is created based on the original MAC address and original port of the data frame. This entry applies to all VLANs

- A. False
- B. True

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 244**

Which of the following is the unit that converts non-standard wavelengths to standard wavelengths specified by ITU-T?

- A. OUT

- B. TU
- C. ODU
- D. OMU

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 245**

RAMAN amplifier utilizes which of the nonlinear effects?

- A. Dispersion
- B. Self-Phase Modulation
- C. Four-wave mixing
- D. Raman scattering

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 246**

Half-duplex mode must have a conflict detection and avoidance mechanism to prevent multiple devices from occupying the line at the same time. This mechanism is the so-called CSMA/CD, and its Chinese name is Carrier Sense Multiple Access / Collision Detection.

- A. True
- B. False

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 247**

The internal data forwarding table of the switch is based on source MAC learning.

- A. True
- B. False

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 248**

The unprotected chain consists of four network elements: NE1, NE2, NE3, and NE4. An end-to-end VC4 path 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. How many VC4 paths can be searched out?

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

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 249**

Under which of the following scenario combinations can the rerouting and automatic wavelength change functions of the optical layer ASON network be realized?

- A. Directionless+Colorless
- B. Directed+colored
- C. Directionless+Colored
- D. Directioned+Colorless

**Answer: A (LEAVE A REPLY)**

#### **NEW QUESTION: 250**

Establish an Ethernet private line service between H (HQ) and H2 (branch) of the enterprise, and bind 5 VC-12s in the corresponding VCTRUNK. When one C-12 fails, the Ethernet private line between H and H2 will not be interrupted. Therefore, which of the following statements is correct?

- A. Enables the LCAS function on the VCTRUNK interface used by the Ethernet private line service between H and H2.
- B. Enable QinQ on the /CTRUNK port used by the Ethernet private line service between H1 and H2
- C. Enable OiQ on the interface used by the Ethernet private line service between H1 and H2
- D. Enable LCAS on the ports used by the Ethernet private line service between H1 and H2.

**Answer: (SHOW ANSWER)**

#### **NEW QUESTION: 251**

In the OLT+ONU combined networking mode, OLT mainly plays the role of (), so the OLT equipment is required to have good performance and be able to provide sufficient bus bandwidth.

**Answer:**

Convergence

#### **NEW QUESTION: 252**

What are the advantages of ESC? (Multiple choice)

- A. Simple structure and low cost
- B. Support redundant backup
- C. Reduce system complexity
- D. Improve optical power budget

**Answer: A,B,C,D (LEAVE A REPLY)**

#### **NEW QUESTION: 253**

When an OTU board works with an OLP board, the optical power difference cannot be used as a trigger condition for intra-board 1+1 protection switching.

- A. TRUE
- B. FALSE

**Answer: A (LEAVE A REPLY)**

**NEW QUESTION: 254**

Which of the following reasons will not cause the network management to report a MUT\_LOS alarm?

- A. The pigtail connecting the DMUX board out port and the OA board in port is faulty.
- B. OA board in port failure
- C. OTU board failure
- D. DMUX board out port failure

**Answer: C (LEAVE A REPLY)**

**NEW QUESTION: 255**

Two PD1 boards and one DMS board jointly implement the TPS protection function.

- A. False
- B. True

**Answer: B (LEAVE A REPLY)**

**NEW QUESTION: 256**

MPLS is a label forwarding technology. Which of the following was its original design purpose?

- A. Improve the utilization rate of P addresses
- B. Increase the forwarding speed of the router
- C. Avoid broadcast storms
- D. Reduce network latency

**Answer: B (LEAVE A REPLY)**

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**NEW QUESTION: 257**

CWDM is divided into two systems: ( ) wavelength system and ( ) wavelength system.

**Answer:**

**NEW QUESTION: 258**

When the working PQ1 board is oversized, the device will perform and the TFS protection will be reversed.

Which of the following statements about the switching process are correct? (Multiple choice).

- A.** The protection PQ1 board receives and processes the services transmitted from the D75S board to the protection bus to complete the protection switching
- B.** If the protection PQ1 board is normal, the cross-connection board sends a switching message to the D75S corresponding to the faulty PQ1 board through the switching control bus. .
- C.** cross-connect board checks the PQ1 board fault through the board status bus. .
- D.** The D75S board responds to the switch message by transmitting the service to the shared protection bus and stopping sending the service to the tyrant PQ1 board

**Answer: A,B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 259**

The refractive index of the core  $n_1$  ( ) cladding refractive index  $n_2$ , which is a necessary condition for the transmission of optical signals in optical fibers.

- A.** Less than
- B.** Equal to
- C.** Greater than

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 260**

Which of the following is the protection method of TPS?

- A.** M:N protection
- B.** 1:1 protection
- C.** 1:N protection
- D.** 1+1 Protection

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 261**

An unprotected chain consists of four net elements; ME1, NE2, NE3 and NE4.

Create an end-to-end VC4 path NE1-NE4 and add NE5 between NE2 and NE3 for capacity expansion.

The original configuration remains unchanged and no services are configured on the NE5.

In this case, the unprotected chain becomes NE1-NE2-NE5NE3-NE4, how many VC4 paths can be searched?

- A.** 0

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

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 262**

Users can easily access NCE through a browser without having to install additional traditional client software.

- A. True
- B. False

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 263**

EPL service uses the bandwidth on the line exclusively, which is very safe. It is suitable for dedicated line applications for VIP customers.

- A. True
- B. False

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 264**

If a network port that supports auto-negotiation is connected to a network port that does not support auto-negotiation, half-duplex and full-duplex modes can be interconnected.

- A. False
- B. True

**Answer:** ([SHOW ANSWER](#))

**NEW QUESTION: 265**

A PAUSE frames use reserved multicast addresses and are not forwarded by bridges or switches. In this way, the PAUSE frame does not generate any additional information.

- A. True
- B. False

**Answer:** A ([LEAVE A REPLY](#))

**NEW QUESTION: 266**

Which of the following options are the main characteristics of the transmission network?  
(Multiple choice)

- A. Long distance
- B. Reliability
- C. Multi-service access
- D. Large capacity

**Answer:** A,B,C,D ([LEAVE A REPLY](#))

**NEW QUESTION: 267**

In WDM systems, when fewer than ( ) wavelengths are used, it is ideal to use dielectric thin film filters (TFFs).

- A. 4
- B. 8
- C. 16
- D. 20

**Answer: ( [SHOW ANSWER](#) )**

**NEW QUESTION: 268**

Which of the following can be configured as the monitoring time for network element performance events?

- A. Anytime
- B. Same as the current time of NE
- C. is earlier than the current time
- D. Later than the current time

**Answer: D ( [LEAVE A REPLY](#) )**

**NEW QUESTION: 269**

Which of the following bytes can be used for orderwire calls between two REG devices?

- A. E1
- B. E2
- C. Not above
- D. E1 and E2

**Answer: A ( [LEAVE A REPLY](#) )**

**NEW QUESTION: 270**

Which of the following alarms will not generate corresponding alarms?

- A. HP-TIM
- B. R-LOS
- C. MS-AIS
- D. TU-AIS

**Answer: B ( [LEAVE A REPLY](#) )**

**NEW QUESTION: 271**

Which of the following technologies is the main difference between open DWDM system and integrated DWDM system?

- A. Optical Monitoring Technology
- B. Wavelength conversion technology
- C. Multiplexing/demultiplexing technology

D. Optical magnification technology

Answer: B ([LEAVE A REPLY](#))

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**NEW QUESTION: 272**

The rate of STM-0 is 51.84 Mbit/s.

A. FALSE

B. TRUE

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 273**

LCK insertion takes precedence over AIS insertion. That is, if the user configures LCK insertion and the conditions for automatic AIS insertion are met, the LCK is inserted.

A. Error

B. True

Answer: B ([LEAVE A REPLY](#))

**NEW QUESTION: 274**

The most effective subnet mask in a point-to-point WAN link is 255.255.255.252.

A. True

B. False

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 275**

Which of the following layers define the protocols that control the network layer? The protocols at this layer apply to logical links, that is, end-to-end connections between two devices.

A. Transport layer

B. Data Link Layer

C. Network layer

D. Application layer

Answer: A ([LEAVE A REPLY](#))

**NEW QUESTION: 276**

Which of the following is the steps to multiplex a low-speed service into a high-speed SDH service? (Multiple choice).

- A. Overhead insertion
- B. Alignment
- C. Mapping
- D. Multiplexing

**Answer: B,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 277**

Which of the following is not a non-linear effect?

- A. PMD
- B. SPM
- C. SRS
- D. FWM

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 278**

On OSN series transmission equipment, the Ethernet port cannot access tagged frames and untagged frames at the same time.

- A. False
- B. True

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 279**

If you group SNCP services with the same source, sink, or route, you can increase the SNCP switching speed

- A. False
- B. True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 280**

The unit of physical layer data in the OSI reference model is (), and the unit of data link layer data is ().

**Answer:**

Bits | Frames

**NEW QUESTION: 281**

In terms of protection capability, which of the following topologies has the strongest protection capability?

- A. Ring topology
- B. Star topology
- C. Linear topology
- D. Tree topology
- E. Mesh topology

**Answer: E ([LEAVE A REPLY](#))**

**NEW QUESTION: 282**

Which of the following is the functional unit that provides serial data for the interface and system associated with the orderwire phone?

- A. Cross-connecting unit
- B. Auxiliary unit
- C. Line units
- D. Tributary units

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 283**

When which of the following situations occurs, the network management will report the ODUk\_PM\_DEG alarm?

- A. The ODUk TCM layer bit error exceeds the limit, and the number of bit errors exceeds the specified bit error degradation threshold
- B. The PM segment of the ODU layer has bit error degradation, and the number of bit errors exceeds the specified bit error degradation threshold
- C. The ODU layer, i.e., M, sets the bit error limit. When the number of bit errors exceeds the specified bit error excess threshold
- D. The ODUk TCM layer signal is degraded and the number of bit errors exceeds the specified excessive bit error threshold

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 284**

Fiber loss includes bending loss, absorption loss and scattering loss.

- A. False
- B. True

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 285**

Which of the following overheads are not ODUk overheads?

- A. Traditional Chinese Medicine
- B. APS/PCC
- C. PM
- D. NJO

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 286**

The two PIU/APIU boards of the OptiXtrans E6616 or E6608 (OptiX OSN 1800 V Pro or 1800 1 Pro) equipment use hot backup to power the system. When one PIU/APIU board fails, the system can still work normally.

- A. True
- B. False

**Answer: A (LEAVE A REPLY)**

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**NEW QUESTION: 287**

When the working PQ1 board is oversized, the device will perform and the TFS protection will be reversed. Which of the following statements about the switching process are correct? (Multiple choice).

- A. The D75S board responds to the switch message by transmitting the service to the shared protection bus and stopping sending the service to the tyrant PQ1 board
- B. The protection PQ1 board receives and processes the services transmitted from the D75S board to the protection bus to complete the protection switching
- C. cross-connect board checks the PQ1 board fault through the board status bus. .
- D. If the protection PQ1 board is normal, the cross-connection board sends a switching message to the D75S corresponding to the faulty PQ1 board through the switching control bus. .

**Answer: A,B,C,D (LEAVE A REPLY)**

**NEW QUESTION: 288**

When the working channel of the optical line protection fails, it cannot automatically switch to the protection channel. What are the possible reasons? (Multiple choice)

- A. The protection channel fails
- B. A lock order was issued manually
- C. The waiting time for recovery is set too long
- D. Protection group parameter configuration error

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 289**

If a network port that supports autonegotiation is connected to a network port that does not support autonegotiation, you can interconnect in both half-duplex and full-duplex modes.

- A. Error
- B. True

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 290**

If the overhead bytes pass through two plugged backplane buses, then the two slots are called paired slots that enable automatic transparent transfer of overhead bytes, such as (), () and (). Even if the SCC on the local network element The board is offline, which can also improve msP switching performance and protect DCC communication with other network elements. (Multi-quality selection).

- A. E1 bytes
- B. K bytes
- C. D bytes
- D. B1 word strip

**Answer: A,B,C ([LEAVE A REPLY](#))**

**NEW QUESTION: 291**

When the SNCP ring consisting of four Optis OSN 2500 devices has a rate of 25 Gbt/s, the network's service answer stars can carry up to ()2Mt/s Signal.

- A. 1008
- B. 4032
- C. 504
- D. 2016

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 292**

Which of the following light sources has the best dispersion tolerance and stability?

- A. None of the above
- B. EA modulates the light source
- C. Mach-Zehnder modulates the light source
- D. Direct modulation of the light source

**Answer: C ([LEAVE A REPLY](#))**

**NEW QUESTION: 293**

Which overhead bytes of SDH are used by the LCAS function to carry control information and perform handshake operations between the source and sink? (Multiple choice)

**Answer:**

A.D.

**NEW QUESTION: 294**

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

- A. True
- B. Error

**Answer: A ([LEAVE A REPLY](#))**

**NEW QUESTION: 295**

Optical monitoring channel is used for monitoring of WDM optical transmission systems. In the UU-T recommendation, it is preferable to use a 1510 nm wavelength of the a ") rate.

- A. 64 kbit/s
- B. 5676 kbit/s
- C. 192 kbit/st
- D. 2 Mbit/s

**Answer: D ([LEAVE A REPLY](#))**

**NEW QUESTION: 296**

When a bit False is detected in B2 bytes, which of the following alarms is reported by the peer?

- A. MS-FEBBE
- B. MS-BBE
- C. RS-BBE
- D. MS-AIS

**Answer: ([SHOW ANSWER](#))**

**NEW QUESTION: 297**

Which of the following is a step to multiplex low-speed services into high-speed SDH services?

(Multiple choice)

- A. Mapping
- B. Overhead Insert
- C. Multiplexing
- D. Alignment

**Answer: A,C,D ([LEAVE A REPLY](#))**

**NEW QUESTION: 298**

Among the following modulation technologies, which one performs best in terms of wavelength stability?

- A. Direct modulation

- B. Indirect modulation
- C. EA modulation
- D. MZ modulation

**Answer: D (LEAVE A REPLY)**

**NEW QUESTION: 299**

SL64 board can be used for OSN2500.

- A. False
- B. True

**Answer: (SHOW ANSWER)**

**NEW QUESTION: 300**

Which of the following different types of ESC are classified according to implementation principles?

(Multiple choice)

**Answer:**

B.C.

**NEW QUESTION: 301**

ATM nr.m consists of a maximum of n optical channels multiplexed, r means simplified function (reduced), and non-associated overhead is not supported.

- A. True
- B. False

**Answer: A (LEAVE A REPLY)**

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**NEW QUESTION: 302**

A two-fiber ring topology consists of three network elements, which are arranged in counterclockwise order as A, B, and C. The service between A and C occupies the 48th VC-12 time slot in the first VC-4 on the short-path line. Then the service between B and C can also occupy the 48th VC-12 time slot in the first VC-4 on the short-path line. Which of the following is the protection subnet type of the ring network?

- A. Subnet connection protection ring
- B. One-way road protection ring
- C. Bidirectional multiplex segment protection ring
- D. All of the above are possible

**Answer: C ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 303**

OTM nr.m consists of a maximum of "n" optical multiplexed channels and does not support non-channel related overhead. The letter "r" indicates reduced functionality.

- A. False
- B. True

**Answer: ([SHOW ANSWER](#))**

#### **NEW QUESTION: 304**

Which of the following options are correct? (Multiple choice)

- A. The CESoPSN protocol can identify the structure of TDMN services. It does not need to transmit idle time slot channels. It only extracts useful time slots from the service flow and encapsulates them into PWE3 messages for transmission.
- B. PCM30 frame format of E1 frame: except time slot 0 which is used as synchronization time slot and does not carry voice, time slot 16 also cannot carry voice because it is used to transmit random signaling.
- C. SATop encapsulation type processes CES services by packaging the 32 time slots in the E1 frame as a whole and then transparently transmitting them to the other end.
- D. PCM31 frame format of E1 frame: except for 16 time slots as synchronization time slots that do not carry voice, it can also carry 31 channels of voice.

**Answer: A,C,D ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 305**

When the low-level resources of the device are insufficient, which of the following measures can be taken?

(Multiple choice).

- A. Use a crossover connection board with a large low-level cross-connection
- B. Configure the VC4 service. .
- C. Combine available low-level resources. (.)
- D. Configure VC4 Server Path

**Answer: A,B,C ([LEAVE A REPLY](#))**

#### **NEW QUESTION: 306**

Automatic Laser Shutdown (ALS): When no optical signal is received, the ALS function automatically turns off the corresponding optical module. This feature protects field maintenance personnel.

- A. Error

B. True

Answer: ([SHOW ANSWER](#))

**NEW QUESTION: 307**

Coherent receiver technology uses a local oscillator laser with the same frequency as the received signal to perform coherent processing and recover () information from the received signal. (Multi-quality selection.)

- A. Frequency
- B. Amplitude
- C. Polarized state
- D. Phase

Answer: ([SHOW ANSWER](#))

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