

Huawei.H35-260.by.Anotno.204q

Number: H35-260
Passing Score: 800
Time Limit: 120
File Version: 13.0

Exam Code: H35-260
Exam Name: HCSA-Field-Transmission & PTN V1.0



Exam A

QUESTION 1

When creating a PTN tunnel, you can set the priority of the tunnel. There are 0, 1, and 7. The larger the value, the higher the priority.

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 2

In the chain networking of Huawei NG-SDH equipment, if the SCC board of a single station is faulty, the site and the downstream site cannot log in.

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 3

In the SDH system, we can use the instrument to test the input jitter tolerance of the STM-N interface. Which of the following instruments can complete this function?

- A. Smartbits
- B. SDH Analyzer
- C. Spectrum analyzer
- D. Bit Error Tester

Correct Answer: C

Section:

QUESTION 4

If the E1 interface board D75S is not plugged into the OSN 3500 hardware, which indicator light on the PQ1 will light up red?

- A. PROG
- B. SRV
- C. ACT
- D. STAT

Correct Answer: D

Section:

QUESTION 5

NE1 and NE2 are the intersection nodes of the SNCP ring and the SNCP ring. How many SNCP protection groups and how many unidirectional cross-connects should be configured on NE1. Which of the following is correct?

- A. 4, 2
- B. 2,4
- C. 2, .2
- D. 4, 4

Correct Answer: C

Section:

QUESTION 6

Use a multimeter to check the resistance value between NEG1/2(-) and RTN1/2(+)/PGND of the PDU before powering on the device. If the resistance value is found to be less than 200 Ω , it means that there is a short circuit, and it is necessary to eliminate the fault before continuing the test.

- A. True
- B. False

Correct Answer: A

Section:

QUESTION 7

DCM optical power debugging requires the input of DCM to be no greater than which of the following values?

- A. -2
- B. -3
- C. -4
- D. -5
- E. Translated from Chinese (Simplified) to English - www.onlinedoctranslator.com

Correct Answer: B

Section:

QUESTION 8

The DWDM system has extremely high requirements on the stability of the light source. Which of the following factors will affect the stability of the light source?

- A. Temperature
- B. Drive Current
- C. Packaging
- D. Humidity

Correct Answer: A, B, C

Section:

QUESTION 9

The EDFA erbium-doped fiber amplifier is a key component of the new generation of optical fiber systems. Which of the following options are correct for the description of its advantages?

- A. High gain
- B. High output power



- C. The working wavelength is consistent with the minimum attenuation window of single-mode fiber
- D. Low noise figure
- E. Gain Flattening

Correct Answer: A, B, C, D

Section:

QUESTION 10

Which of the following services can the EM20 support?

- A. 8 10GE+12 GE
- B. 20 GE/FE
- C. Otu1
- D. STM-16

Correct Answer: A, B

Section:

QUESTION 11

Which of the following is impossible for the cause of the ETH_LOS alarm?

- A. The cable or fiber of the Ethernet port is not properly connected
- B. Cable or fiber failure
- C. The received optical power of the local network element is too low
- D. In-port loopback

Correct Answer: D

Section:

QUESTION 12

The ETH_UWK_DOWN alarm indicates that the network port connection is faulty. The possible reasons do not include which of the following?

- A. The working modes of the sending and receiving ends are inconsistent
- B. Link failure
- C. Peer device failure
- D. There is no light received at the local end

Correct Answer: D

Section:

QUESTION 13

IEEE 802.1Q defines the structure of VLAN tags, including TPID, PRI, CR, and VLAN ID. Which of the following is used to classify service priorities?

- A. VLAN ID
- B. CR
- C. PRI
- D. TPID



Correct Answer: C

Section:

QUESTION 14

Which of the following services can IMA provide protection for?

- A. TDM business
- B. ATM Services
- C. E-Line Business
- D. E-LAN service

Correct Answer: B

Section:

QUESTION 15

Which of the following is not included in the function of the Inspector inspection tool?

- A. Perform inspection tasks from the batch of relevant information obtained from NEs
- B. Collect network element performance data for inspection
- C. Support viewing inspection results and importing and exporting inspection data.
- D. Generate an inspection report according to the passing of inspection items and analyze the situation.

Correct Answer: B

Section:

QUESTION 16

What types of reports are generated by the Inspector inspection tool?

- A. Client Official Report
- B. External reporting
- C. Engineer's Report
- D. Internal Reporting

Correct Answer: A, C

Section:

QUESTION 17

Which of the following ways does the Inspector inspection tool support adding NEs?

- A. Manually adding NEs
- B. Import NEs in batches
- C. Automatically discover network elements
- D. NEs actively report

Correct Answer: A, B

Section:



QUESTION 18

IP As the core protocol of the network layer in the TCP/IP protocol stack, the fixed part of the packet header has 20 bytes and carries a variety of identification fields to define the transmission of the data packet. Which of the following statements about the identification field is incorrect?

- A. version (4bit), identifies the IP version, the current iP version is 4, and the next generation version is 6
- B. TLN Time to live, 8bit), when an IP packet is generated, an initial value will be set, and when an old packet is forwarded from one router to another, the TTL value will decrease by 1. When the TTL is 0, the packet will be discarded
- C. Protocol (8bit), indicating the protocol type to which the IP payload belongs, and a value of 6 indicates that the IP encapsulation is a TCP segment
- D. Total Length (16bit), indicating the length of the IP header

Correct Answer: D

Section:

QUESTION 19

What items are not included in the route advertisement of L3VPN

- A. Local CE to ingress PE routing information exchange
- B. Ingress PE to P routing information exchange
- C. Ingress PE to egress PE routing information exchange
- D. Egress PE to egress CE routing information exchange

Correct Answer: B

Section:

QUESTION 20

L-16.1 indicates the type of optical interface. Which of the following descriptions is correct?

- A. Short distance communication, the signal level is STM-1 and the working window is 1310nm
- B. Long distance communication, the signal level is STM-1 and the working window is 1310nm
- C. Short distance communication, the signal level is STM-16 and the working window is 1550nm
- D. Short-distance week-to-week communication, the signal level is STM-16 and the working window is 1310nm

Correct Answer: D

Section:

QUESTION 21

Which of the following protection types is not supported by the L302 board?

- A. ODU3 SNCP
- B. Tributary SNCP
- C. SW SNCP
- D. In-board 1+1

Correct Answer: C

Section:

QUESTION 22

Which of the following LSRs are passed by an LSP?

- A. Ingress
- B. Lable
- C. Transit
- D. Egress

Correct Answer: A, C, D

Section:

QUESTION 23

Where in the L2/L3 node is the VLAN in the Layer 2 header stripped in the packet sent by the base station in the LTE solution?

- A. Network side interface
- B. L2VE sub-interface
- C. L3VE sub-interface
- D. LOOPBACK interface

Correct Answer: C

Section:

QUESTION 24

Which of the items are unreasonable to configure the default route on the PTN device in the LTE solution?

- A. The default route is configured on the L2/3 master node, and the next-hop points to the L3 master node
- B. A default route is configured on the L2/L3 standby node, and the next hop points to the L3 master node
- C. On the L3 raw node, configure a default route with the next hop pointing to the main L2/L3 node
- D. Configure the default route on the standby point, and the next hop points to the standby L2/L3 node

Correct Answer: C, D

Section:

QUESTION 25

In the LTE service, X2 traffic forwarding between base stations needs to be enabled. Which of the following statements about the forwarding path in the x2 traffic flow is correct?

- A. X2 traffic forwarding on the same network segment does not require Layer 3 routes or interfaces
- B. For forwarding in the X2 flow between base stations on different network segments under the same L2L3 node, it is necessary to transfer between L3VE sub-interfaces
- C. Different L2L3 nodes must forward the X2 traffic with the base station to the base station, and it must be transited by the L3 node.
- D. X2 traffic forwarding between different cities requires SGW participation

Correct Answer: B

Section:

QUESTION 26

The M40 board has 2 waves of access, and the power of each wave is -4dBm. So which of the following values is the power of the M40 output port? (M40 insertion loss is 6.5dBm)

- A. -8.5

- B. -1
- C. -10.5
- D. -7.5

Correct Answer: D

Section:

QUESTION 27

Which of the following item levels are included in the MPLS-TP OAM detection object?

- A. Section layer
- B. Tunnel layer
- C. Link Layer
- D. PW layer

Correct Answer: A, B, D

Section:

QUESTION 28

The MPLS label has four identification fields, Lable, EXP, S and TTL, with a total of 4 bytes, of which Lable occupies 20 bits. The label value 0-15 is reserved for special purposes, which indicates that the inner payload carried is MPLS-OAM packet. , the label value is which of the following?

- A. 0
- B. 1
- C. 3
- D. 14



Correct Answer: D

Section:

QUESTION 29

MPLS is used to label packets instead of IP forwarding. Which of the following descriptions about MPLS packet encapsulation are correct?

- A. The Type field in the ETH header is set to 0x8847 to indicate that it is followed by MPLS label encapsulation
- B. The nested encapsulation of MPLS can only be two layers, PW and Tunnel two layers of labels
- C. The MPLS label of the Tunnel carrying the PW, where the S bit is set to 1
- D. IP packets can be directly carried on the Tunnel

Correct Answer: A, D

Section:

QUESTION 30

The STAT indicator of the N1SLQ16 board is on red. What are the possible reasons for the following?

- A. Board hardware failure
- B. Hardware mismatch
- C. The board software is lost

D. There is an optical port without an optical module

Correct Answer: A, B, D

Section:

QUESTION 31

NE1 and NE2 are the intersection nodes of the SNCP ring and the SNCP ring, so how many SNCP protection groups and how many unidirectional cross-connects need to be configured on NE1. Which of the following is correct?

- A. 4,4
- B. 4,2
- C. 2,2
- D. 2,4

Correct Answer: C

Section:

QUESTION 32

Which of the following functions does Netstar ODT have?

- A. Subrack verification
- B. Board Verification
- C. Fiber connection verification
- D. Optical power verification

Correct Answer: A, B, C

Section:

QUESTION 33

Which of the following is the main structure of the N-way wavelength multiplexing WDM system?

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

Correct Answer: A, B, C, D

Section:

QUESTION 34

opt? Datacollector supports black box fault data collection of multiple products. Which of the following products is not supported?

- A. NG SDH
- B. WDM
- C. ocs
- D. PTN



Correct Answer: D

Section:

QUESTION 35

Optix Datacollector supports black box fault data collection for various products. Which of the following products are not supported?

- A. NG SDH
- B. WDM
- C. COS
- D. PTN

Correct Answer: D

Section:

QUESTION 36

In which slots are the OptiX OSN 8800 T32 cross-connect boards fixed?

- A. 8
- B. 9
- C. 10
- D. 11

Correct Answer: B, C

Section:

QUESTION 37

In OptiX OSN8800, which of the following boards provides clock time input and output interfaces?

- A. ATE
- B. STI
- C. ER
- D. AUX

Correct Answer: B

Section:

QUESTION 38

OSN6800 equipment, ND2, TQX report the BUS_ERROR alarm after configuring the power crossconnect, what are the possible reasons?

- A. The crossover board, TQX board or ND2 board is faulty
- B. The TQX client side business type is set incorrectly
- C. Subrack Hardware Limitations
- D. Cross bus capacity is limited

Correct Answer: A, C, D

Section:



QUESTION 39

How many 2M service boards can OSN7500 support at most?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer: D

Section:

QUESTION 40

The multi-level connection monitoring mode (TCM) of OTN has three application forms. Which of the following is correct?

- A. Cascading mode
- B. Overlapping Mode
- C. Nested Mode
- D. Cascade Mode

Correct Answer: A, B, C

Section:

QUESTION 41

In the PIN LTE bearer solution, if the link between the core L3 PTN node and the SGW is faulty, what are the triggering detection mechanisms and protection mechanisms?

- A. MPLS OAM, SVPN FRR
- B. BFD, IP/VPN FRR
- C. BFD, VPN FRR
- D. MPLS OAM, IP/VPN FRR

Correct Answer: B

Section:

QUESTION 42

What is wrong with the statement that PTN LTE carries static L3VPN?

- A. In state L3VPW, no signaling is required between PEs
- B. To manually establish a VPN peer (PTN LTE bearer solution adopts fullmesh structure)
- C. Manually configure a static route destined for the user-side network segment on the PE in the static L3VPN
- D. The U200 automatically generates a user-side static route according to the VPNPeer relationship and the user-side (SGW-side) route

Correct Answer: A

Section:

QUESTION 43

In the PTN LTE solution, what operations will the L2/L3 node perform on the service data sent from the base station to the EPC?

- A. Strip the header of the Ethernet frame encapsulated by the base station
- B. Match the routing table to the EPC
- C. Reseal the PW label
- D. Encapsulate the Tunnel label

Correct Answer: A, B, D

Section:

QUESTION 44

What kind of fault detection is used to trigger VPN FRR protection in PTN LTE?

- A. OAM
- B. BFD
- C. 802.ae
- D. 802.ba

Correct Answer: A

Section:

QUESTION 45

The L3VPN routing of the PTN LTE network includes user-side routing and network-side routing.
What are the items based on which VPN routing forwarding table is finally generated?

- A. User-side routing needs to be manually configured by the administrator
- B. The PTN6900 at the core layer needs to be configured as a VPN peer relationship
- C. Use the U2000 and the configured user-side routes to automatically calculate and generate network-side routes
- D. Use MP-BGP to propagate user-side routes

Correct Answer: A, B, C

Section:

QUESTION 46

The DCN red copper feature between network elements of PTN, which VLAN number is used by default for DCN self-communication between network elements.

- A. 1024
- B. 2048
- C. 4094
- D. 4096

Correct Answer: C

Section:

QUESTION 47

Which step is not included in the NE upgrade process of PTN equipment?

- A. Upgrade Feasibility Check
- B. Load the package c. to distribute

C. Backup after activation

Correct Answer:

Section:

QUESTION 48

Which of the following is the destination MAC address of the Layer 2 header of the data received by the PTN960 from the LTE base station?

- A. The user-side port MAC of the PTN device connected to the base station
- B. The network port MAC of the PTN device connected to the base station
- C. The MAC of the base station gateway L3VE on the L2/L3 node.
- D. The port MAC of the EPC device connected to the core L3PTN

Correct Answer: C

Section:

QUESTION 49

Which of the following items can be included in the upgradeable boards of the PTN3900 NE upgrade operation?

- A. Main control board
- B. Cross Plate
- C. Business Processing Board
- D. Fan Board

Correct Answer: A, B, C

Section:

QUESTION 50

Which one is wrong in the description of hardware redundancy backup of PTN7900-32?

- A. SCA board 1+1 backup
- B. XCS board 6+1 backup
- C. 3+3/4+4/5+5 backup of power supply
- D. Fan 1+1 Backup

Correct Answer: D

Section:

QUESTION 51

What does the green PROG indicator on the PTN7900 board mean?

- A. The board works normally
- B. The service is active and the board is working
- C. The board software is initialized successfully and the software runs normally
- D. The business is working normally, and no business alarm is generated

Correct Answer: C



Section:

QUESTION 52

In the PTNLTE solution, which source interface is used when deploying multi-hop daily BFD at the core L3 nodes in the prefecture and city?

- A. L3VE sub-interface
- B. Link Aggregation Port
- C. LOOPBACK port
- D. City L3 node interconnection interface

Correct Answer: C

Section:

QUESTION 53

In the PTN core routing table, what is the routing distance value, which means it is directly connected to the current network element?

- A. 0
- B. 1
- C. 3
- D. 14

Correct Answer: A

Section:

QUESTION 54

In the MPLS-TPOAM architecture of PTN equipment, what are the functions of network performance maintenance?

- A. LB
- B. LM
- C. LT
- D. DM

Correct Answer: B, D

Section:

QUESTION 55

When the PTN equipment configures the CBS parameters of QoS, the value affects which items are described correctly

- A. The smaller the CBS, the less data is allowed to burst
- B. The larger the CBS, the more packets are allowed to burst
- C. The smaller the CBS, the greater the delay in forwarding the packet.
- D. CBS used to describe the capacity of the token bucket C bucket

Correct Answer: A, B, D

Section:

QUESTION 56

On the PTN equipment, when the tunnel bears data and forwards, which one is wrong in the description of the actions of each node on the LSP?

- A. Ingress encapsulates the data entering the MPLS domain
- B. The Transit node searches the label forwarding information table and performs label switching
- C. Penultimate jump pop-up label
- D. In Layer 3 forwarding, the Egress node needs to look up the routing table

Correct Answer: C

Section:

QUESTION 57

CAR is deployed on PTN equipment. Which of the following descriptions is wrong?

- A. The value of PIR is required to be greater than or equal to CIR
- B. The unit of CBS/PBS is Bytes
- C. CBS bursts are marked in yellow
- D. Supports setting the processing mode for CAR-processed packets

Correct Answer: C

Section:

QUESTION 58

When the PTN device forwards, how many bits does the MAC address have?

- A. 32
- B. 46
- C. 48
- D. 64

Correct Answer: C

Section:

QUESTION 59

In the PTN network, what are the parameters for measuring QOS?

- A. Delay
- B. Jitter
- C. Bandwidth
- D. Packet Loss Rate
- E. Bit Error Rate

Correct Answer: A, B, C, D

Section:

QUESTION 60

The PWE3 technology in the PTN network often uses VLAN. Where is the VLAN in the Ethernet packet?



- A. Before SMAC and DMAC addresses
- B. Between SMAC and DMAC addresses
- C. After SMAC. and DMAC addresses
- D. not fixed

Correct Answer: C

Section:

QUESTION 61

The key technology in the PTN network is IP/MPLS technology. How many levels can MPLS labels be nested?

- A. 1st floor
- B. 3 floors
- C. 10 floors
- D. Theoretically infinite nesting

Correct Answer: D

Section:

QUESTION 62

Which of the following response modes is usually used when diagnosing unidirectional tunnel connectivity in a PTN network?

- A. No response
- B. IPV4/UDP reply
- C. Application Control Channel
- D. TCP channel

Correct Answer: A

Section:

QUESTION 63

In PTN, LSP is created statically. Which items are correct in the following description about LSP creation?

- A. The value of the outgoing label of the previous node and the incoming label of the next node are equal
- B. Multiple labels can be assigned to the same A FEC
- C. Tunnel is being created, PHP is not enabled
- D. The label values on different nodes of the LSP cannot be the same

Correct Answer: A, B, C

Section:

QUESTION 64

In the PTN network, how many CES services can a PW carry at most?

- A. Article 1
- B. Article 2
- C. Article 5



D. innumerable

Correct Answer: A

Section:

QUESTION 65

What options are included in the role of the control word in PWE3?

- A. Carry the sequence number forwarded by the packet
- B. Fill the message to prevent the message from being too short
- C. Carrying Layer 2 frame header control information
- D. Carry MPLS labels

Correct Answer: A, B, C

Section:

QUESTION 66

Which technology can provide synchronization support in TD-SCDMA network?

- A. ACR/TOP
- B. Ethernet Physical Layer Synchronization
- C. IEEE 1588V2
- D. SDH

Correct Answer: C

Section:

QUESTION 67

The U2000 network management supports a variety of external interfaces. Which of the following interfaces can be used when connecting with the network management equipment of other manufacturers?

- A. CORBA
- B. MML
- C. QX
- D. TL1

Correct Answer: A

Section:

QUESTION 68

In the U2000 system, which of the following menus can be used to check the current optical power of the device?

- A. NE Manager>Board>Optical Power Management
- B. Click on the fiber and cable, right-click and select "Query related optical power"
- C. Configuration > Optical Power Management
- D. NE Manager > Interface Configuration > Query Optical Power

Correct Answer: A, B, C



Section:

QUESTION 69

Which item databases does the U2000 support?

- A. Sybase
- B. SQL Server
- C. DB2
- D. Foxpro

Correct Answer: A, B, D

Section:

QUESTION 70

VLANs are used to isolate Layer 2 broadcast domains. Which of the descriptions of VLANs are correct?

- A. VLAN technology follows IEEE802.1Q standard
- B. The VLANID of the school uniform is 12 bits in total, and the value range of the configurable VLAN ID is 0-4095
- C. The value of TPID is 0x8100, which can be changed and can be set arbitrarily without affecting the business
- D. The priority field in vlan has a total of 3 bits. The priority value is 0-7. The higher the value, the higher the priority.

Correct Answer: A, D

Section:

QUESTION 71

When configuring the L3VPN service, which operation will cause the service configuration to fail?

- A. The IP address configured before the Layer 3 port is added to the UNI of the L3VPN
- B. Create the UNI port from the base station direction as a VLAN aggregation sub-interface
- C. Enable ARP proxy on VLAN aggregation sub-interfaces
- D. The IPs of the two service access ports in the direction of the base station are the same IP

Correct Answer: A

Section:

QUESTION 72

When configuring electrical layer crossing, what are the rules for time slot configuration?

- A. For the convenience of management and maintenance, it is recommended to set the time slot cutting mode to automatic mode
- B. For each board, the same time slot in the same direction cannot be used by multiple services at the same time
- C. For the same service, the time slots occupied by the receiving turbulence and the transmitting turbulence in one direction must be the same
- D. After changing the service type, there is no need to reset the service time slot

Correct Answer: A, B, C

Section:

QUESTION 73

If the E1 interface board D75S is not plugged into the OSN3500 hardware, the indicator on PQ1 will light up red

- A. STAT
- B. ACT
- C. PROG
- D. SRV

Correct Answer: A

Section:

QUESTION 74

Which of the following descriptions is correct?

- A. SAToP encapsulation type processes the CES service by encapsulating the 32 time slots in the E1 frame as a whole and then transparently transmitting it to the opposite end
- B. SAToP supports time division suppression
- C. OptiX PTN supports encapsulating E1 frames of different connections into one PW
- D. One STM-1 channel contains 64 VC12 time slots

Correct Answer: A

Section:

QUESTION 75

Which of the following descriptions are correct?

- A. CD1 can access and process 2 channelized STM-1 services
- B. L12 interface board can be installed in the slot of OpiX PTN 1900
- C. EFG2 can provide 2 GE electrical ports
- D. L12 can provide 16 E1 interfaces

Correct Answer: A, D

Section:

QUESTION 76

Which of the following services can be handled by the MP1 processing board?

- A. CES E1
- B. IMAE1
- C. ML-PPP
- D. Ethernet

Correct Answer: A, B, D

Section:

QUESTION 77

If an error occurs in the SDH network, the service signal recovered after the signal is decapsulated must have an error.

- A. True



B. False

Correct Answer: B

Section:

QUESTION 78

During device initialization and commissioning, which of the following configuration descriptions is incorrect?

- A. The snmp parameter of the network element needs to be the same as the configuration of the network management
- B. The DCN route of the NE needs to be associated with the VPN instance "_dcn_vpn-"
- C. NE management can only use GEO/0/0 interface
- D. The default network management OSPF process number is 65534

Correct Answer: C

Section:

QUESTION 79

Using Huawei PTN7900 to carry the L3VPN service, there is no need to plan VPN peers between the two devices

- A. Between L2/L3PTN and L3PTN at the core layer
- B. Active and standby L2/L3PTN equipment rooms
- C. Between different L2/L3PTN and L3PTN sink node pairs
- D. Between L3PTNs at the core layer

Correct Answer: B, C

Section:

QUESTION 80

What are the items of routing protocols based on link state algorithm?

- A. OSPF
- B. BGP
- C. ISIS
- D. RIP

Correct Answer: A, C

Section:

QUESTION 81

Four network elements form an STM-4 two-fiber bidirectional multiplexing section protection ring. Which of the following is the maximum service capacity on the ring network?

- A. 1008 2M
- B. 504 2M
- C. 252 2M
- D. 63 2M



Correct Answer: B

Section:

QUESTION 82

Under normal circumstances, which of the following indicators is green, indicating that the board hardware is running normally?

- A. PROG
- B. ACT
- C. STAT
- D. SRV

Correct Answer: C

Section:

QUESTION 83

In order to determine whether the optical fiber lines and connectors on the wavelength division side are normal, which of the following loopback methods is most suitable?

- A. Client-side outer loopback
- B. Client-side Inloop
- C. WDM side outer loopback
- D. WDM side inner loopback

Correct Answer: C

Section:

QUESTION 84

In order to quickly locate and eliminate the faults of optical network equipment in a timely manner, maintenance personnel are proficient in the basic operation of common transmission instruments. Which of the following instruments are commonly used in optical network equipment maintenance?

- A. 2M Bit Error Tester
- B. Optical Power Meter
- C. SDH Analyzer
- D. Light decay
- E. Multimeter
- F. Pigtail

Correct Answer: A, B, C, E

Section:

QUESTION 85

In order to support the self-opening of the base station, the DHCP Relay function is deployed in the PTN LTE bearer network. Which of the following descriptions is wrong?

- A. DHCP Relay is deployed on L2/L3 nodes
- B. The default relay hop count of DHCP Relay is 255
- C. DHCP server address can be configured with multiple
- D. Configure routing on the PTN to the DHCP router



Correct Answer: B

Section:

QUESTION 86

What is the main function of the physical layer?

- A. Provide a reliable information transfer mechanism
- B. A retransmission mechanism responsible for error detection and information
- C. Responsible for the physical and electrical interface between user equipment and network end equipment
- D. Establish and clear a network-wide connection between two transport protocol entities

Correct Answer: C

Section:

QUESTION 87

Which of the following 7900 single-board software function descriptions are correct?

- A. The software management module in the board is used to manage signaling protocols such as OSPF/1588V2
- B. The performance and alarm module is mainly used to check the alarm and performance of the single board, and report it to the main control board
- C. QoS, PwE3, L3VPN and other services are implemented by the service management module
- D. The basic framework of the single board provides basic system support, including memory management, process/thread management

Correct Answer: B, C, D

Section:

QUESTION 88

Which of the following types of protection is electrical layer protection?

- A. Optical Line Protection QLP
- B. Tributary SNCP Protection
- C. Client side 1+1 protection
- D. +1 protection inside the board

Correct Answer: B

Section:

QUESTION 89

In the following label operation modes, which options does the PTN device support?

- A. PUSH
- B. SWAP
- C. POP
- D. PHP

Correct Answer: A, B, C

Section:



QUESTION 90

Which of the following identification fields in the data packet header of each protocol layer cannot identify the upper layer data type carried by this layer

- A. TTL
- B. TYPE
- C. Protocol
- D. Source Port

Correct Answer: A

Section:

QUESTION 91

Which of the following statements about 100G coherent PDM-QPSK modulation is incorrect?

- A. The essence of QPSK modulation is to reduce the baud rate of the optical signal by half without reducing the line rate by selecting 4 possible values in the phase of the optical field.
- B. PDM-QPSK technology is the main modulation code technology for 100G transmission, which can reduce the line rate of 112Gb/s to the baud rate of 28Gbaud/s, greatly reducing the loan requirements for (optical) electrical devices.
- C. PDM polarization multiplexing technology is adopted, which has better nonlinear tolerance than 40GePDM-BPSK.
- D. PDC-QPSK supports DCMfree and DCM system applications, and supports smooth upgrade from existing 10G/40G network to 100G system.

Correct Answer: C

Section:

QUESTION 92

Which of the following statements about 802.1Q is wrong?

- A. The TPID value in the 802.1Q Ethernet frame structure is 8100
- B. In theory, the value range of VLAN ID is 0-4095
- C. There are only 4 VLAN priorities in the 802.1Q Ethernet frame structure
- D. 802.1Q Ethernet frames are 4 bytes longer than normal Ethernet frames

Correct Answer: C

Section:

QUESTION 93

Which of the following statements about the advantages of QinQ is correct?

- A. Solve the problem of increasingly scarce public network VLAN ID resources
- B. Users can plan their own private network VLAN ID
- C. Provide a simpler L3VPN solution
- D. Make the user network more independent

Correct Answer: A, B, D

Section:

QUESTION 94

Which of the following statements about the slave subrack SCC function is correct?



- A. Status management of boards from subracks
- B. DCN message forwarding
- C. Protection switching protocol processing of this subrack
- D. Handling of Overhead

Correct Answer: A, B, D

Section:

QUESTION 95

Which of the following statements about optical line protection OLP is wrong?

- A. The OLP board is used to protect the powder fiber
- B. Segmentation protects the combined optical signal, and separate routing is used between sites
- C. Single-ended switching optical line protection requires APS protocol
- D. oLpz can only be fitted on the RU line side of each site

Correct Answer: C, D

Section:

QUESTION 96

Which of the following is incorrect about the job description of a hub?

- A. HU is a physical layer device
- B. HUB. is the data link layer device
- C. HUB connects multiple terminal devices together to form a star network through ports
- D. The shared bus technology is used inside the HUB device, and the CSMA/CD technology is used for interaction

Correct Answer: B

Section:

QUESTION 97

Which of the following statements about switches and how they work is correct?

- A. The network managed by the switch belongs to a broadcast domain
- B. Learning based on the source MAC address and forwarding based on the destination MAC address
- C. Use the address aging mechanism to maintain the MAC address table
- D. When the destination MAC in the received Ethernet frame is not in its own address table, broadcast the frame to all ports

Correct Answer: A, B, C

Section:

QUESTION 98

Which of the following statements about the internal port attributes of an Ethernet board is incorrect?

- A. For the ingress port of the Tag Aware attribute: if the input data has a VLAN ID, the received data will be transparently transmitted
- B. For the ingress port of the Tag Aware attribute: if the input data does not have a VLAN ID, discard it



- C. For the ingress port of the Access attribute: if the input data does not have a VLAN ID, it will be transparently transmitted directly
- D. Ingress to the Access attribute: if the input data has a VLAN ID, discard the

Correct Answer: C

Section:

QUESTION 99

Which of the following signals is sent back to the sender by the receiver?

- A. AIS
- B. LCK
- C. IAE
- D. BDI

Correct Answer: D

Section:

QUESTION 100

Which of the following options is not the reason for the R-LOS alarm?

- A. Broken fiber
- B. Excessive line attenuation
- C. The laser at the transceiver end is damaged
- D. Frame failure

Correct Answer: D

Section:

QUESTION 101

Which of the following layers of overhead belong to the electrical layer overhead of OTN

- A. OPUK
- B. ODUK
- C. OCH
- D. OTUK

Correct Answer: A, B, D

Section:

QUESTION 102

Which of the following detection methods can locate the fault point of LSP?

- A. MPLS Pin A.
- B. CC
- C. LT
- D. MPLS Tracert



Correct Answer: C, D

Section:

QUESTION 103

Which of the following paths can be configured on the network management?

- A. OMS
- B. CLIENT
- C. ODUK
- D. OCH

Correct Answer: B, C, D

Section:

QUESTION 104

Which of the following conditions can cause the board to insert the BDI maintenance signal back to the upstream site?

- A. The board reports R_LOS
- B. The board reports OTU2_DEG
- C. The board reports OTU2_LOF
- D. ODU2_PM_LCK

Correct Answer: A, C, D

Section:

QUESTION 105

Which of the following reasons may cause bit errors in the business?

- A. The dispersion compensation is unreasonable, such as under-compensation or over-compensation
- B. The optical power of the incoming fiber is too high or too low
- C. The performance of the transmitting laser of the OTU board at the originating end deteriorates
- D. The pigtail connector is seriously polluted
- E. OSC board failure

Correct Answer: A, B, C, D

Section:

QUESTION 106

Which of the following are the possible causes of PW failures in the network?

- A. When using LDP to create a PW, if the LDP session fails, the PW creation fails
- B. Physical link failure
- C. The Tunnel that hosts the PW itself has a communication problem
- D. When a PW is created in static mode, the IS-IS exchange route fails, resulting in unsuccessful PW creation

Correct Answer: A, B, C

Section:



QUESTION 107

Which of the following Ethernet port alarms is not a physical layer alarm, that is, LSR_NO_HTED has no correlation with it, and there is no suppression relationship?

- A. ETH_LOS
- B. LASER_MOD_ERR
- C. LASER_SHUT
- D. ETHJJNK_DOWN

Correct Answer: D

Section:

QUESTION 108

Which of the following options is not the cause of the R-LOF alarm?

- A. The received signal is attenuated too much
- B. The signal sent by the peer station has no frame structure
- C. The receiving direction of the board is faulty
- D. Broken fiber

Correct Answer: D

Section:

QUESTION 109

Now NE1 and NE2 form a chain network, and E1 service is configured between NE1 and NE2. One day, the fiber from NE1 to NE2 is interrupted (each segment of the reverse fiber). Which of the following alarms will NE2 report?

- A. MS_RDI
- B. HP_LOM
- C. AU_AIS
- D. LP_RDI

Correct Answer: A

Section:

QUESTION 110

The signal-to-noise ratio is an important factor that limits the DWDM system, and the source of the noise is which of the following single boards are widely used in the system?

- A. Optical Transponder Board
- B. Combine/demultiplex board
- C. Raman magnifying board
- D. EDFA slab

Correct Answer: D

Section:

QUESTION 111

Which networking type is the main networking type in the metro WDM network?

- A. Point-to-point networking
- B. Chain networking
- C. Ring Networking
- D. Mesh networking

Correct Answer: C

Section:

QUESTION 112

It is known that the nominal value of single-wave input and output of OAU101 is -16/+4dbm, and the gain range is 20?31db. If there is a wave of -20dbm signal at the input end, use DCM (A) (insertion loss 4db), which is To make it reach the nominal output, the gain on the network management should be set to which of the following values

- A. 20db
- B. 24dB.
- C. 27db
- D. 31db

Correct Answer: B

Section:

QUESTION 113

In the Ethernet LAG, which of the following modes needs to enable the LACP protocol?

- A. Static mode
- B. Dynamic Mode
- C. Manual Mode
- D. Auto Mode

Correct Answer: A

Section:

QUESTION 114

Of the following protections, which items are protected by the double transmission and reception of the electrical layer?

- A. Client side 1+1 protection
- B. ODUK SN
- C. ODUK Ring Protection
- D. SWSNCP Protection

Correct Answer: B, D

Section:

QUESTION 115

Which of the following parameter settings will cause PW creation to fail?

- A. In the Ethernet private line, the VLANs of the two PWs are inconsistent



- B. The control words at both ends of the PW are inconsistent
- C. In the CES leased line configuration, the number of time slots at both ends is inconsistent
- D. Automatic assignment of PW ID values

Correct Answer: A

Section:

QUESTION 116

Which of the following combinations of dynamic optical add/drop multiplexing boards does not hold?

- A. WSD9+WSM9
- B. RDU9+RMU9
- C. WSD9+RMU9
- D. RDU9+WSM9

Correct Answer: B

Section:

QUESTION 117

Which of the following descriptions of the electrical layer multiplexing and mapping steps of ODU0 is wrong?

- A. After mapping and multiplexing, the 2 ODU0 signals can be finally multiplexed into 1 OTU1IV signal
- B. After mapping and multiplexing of 8 ODU0 signals, it can be finally used as 1 OTU2V signal
- C. After mapping and multiplexing, 34 channels of ODU0 signals can be finally multiplexed into 1 channel of OTU3V signals
- D. After mapping and multiplexing, 80 channels of ODU0 signals are finally multiplexed into 1 channel of OTU4V signals

Correct Answer: C

Section:

QUESTION 118

Which of the following descriptions about the use of detection packets in the PTN LTE scheme BFD is correct?

- A. CCM message
- B. CV message
- C. FFD message
- D. Lightweight HELLO message

Correct Answer: D

Section:

QUESTION 119

Which of the following statements about EDFA is false?

- A. The amplification of optical signal by EDFA is pure optical amplification, no need for photoelectric conversion
- B. Noise figure, saturated output power, gain flatness, gain, etc. are all important parameters to characterize EDFA
- C. 1510nm optical monitoring channel can be effectively amplified by EDFA
- D. When the output power of the EDFA reaches saturation, increase the input optical power, and the gain of the EDFA will decrease.

Correct Answer: C

Section:

QUESTION 120

Which of the following statements about ESD protection measures is false?

- A. All personnel entering the computer room should wear anti-static shoes, anti-static clothing, etc.
- B. Use anti-static tools, such as: anti-static wrists, anti-static tweezers, pullers, etc.
- C. Controlling humidity has little effect on reducing static electricity
- D. All conductors in the computer room must be grounded reliably, including computer terminals and other equipment, and an anti-static workbench must be set up
- E. Static sources such as non-anti-static plastic bags, non-anti-static bubble films, and rubber should be kept away from ESD sensitive devices and sensitive boards, at least 30cm away.

Correct Answer: C

Section:

QUESTION 121

Which of the following statements about the FEU board is false?

- A. The FIU board does not process monitoring information
- B. The FIU can complete the access and release of the OSC channel
- C. Using ESC, OTM station needs a FIU
- D. Using OSC, both OLA station and OADM station need two FIUs

Correct Answer: C

Section:

QUESTION 122

Which of the following statements about the MPLS-TPOAM level is correct?

- A. Service is the service layer of PW, PW is the service layer of Tunnel, and Tunnel is the service layer of Section
- B. Section is the service layer of PW, PW is the service layer of Tunnel, and Tunnel is the service layer of Service
- C. Section is the service layer of Tunnel, Tunnel is the service layer of PW, PW is the service layer of Service
- D. Tunnel is the service layer of PW, PW is the service layer of Service, Service is the service layer of Section

Correct Answer: C

Section:

QUESTION 123

Which of the following statements about Uexpert is correct?

- A. Uexpert can automate U2000 upgrades
- B. Support U2000 remote graphical upgrade
- C. Currently does not support dual system upgrade
- D. Basic Ueasy inspection tool to reduce the risk of upgrade failure

Correct Answer: A, B, D

Section:



QUESTION 124

Which of the following descriptions about network protection switching test is wrong?

- A. Before testing, you need to set the 1:1 linear multiplex section protection mode to single-ended switching.
- B. During the protection switching of the linear multiplex section, the NE reports the APS_INDI and MS_APS_INDI_EX alarms
- C. SNCP protection is configured. When the laser of the interface connected to the opposite end is turned off, observe the SDH analyzer of the local end.
- D. There are two methods for testing the protection switching of the multiplex section: the singleended loopback test method and the double-ended hanging meter test method

Correct Answer: A

Section:

QUESTION 125

Which of the following optical loss alarms will not cause service interruption?

- A. CHAN_LOS
- B. R_LOS
- C. MUT_LOS
- D. OSC_LOS

Correct Answer: A, D

Section:

QUESTION 126

Which of the following does not belong to the multi-level connection monitoring mode of OTN?

- A. Overlap Mode
- B. Cascading Mode
- C. Nested Mode
- D. Punch-Through Mode

Correct Answer: D

Section:

QUESTION 127

Which of the following is the electric layer particle that can be crossed by the TSXL veneer?

- A. ODU1
- B. ODU2
- C. ODU3
- D. ODU4

Correct Answer: C

Section:

QUESTION 128

Which of the following is the frame indicated by the VC-4 J1 byte by the AU pointer of the current frame?

- A. Current Framework
- B. Next frame
- C. Previous frame
- D. None of the above

Correct Answer: B

Section:

QUESTION 129

Which of the following PTN7900-32 boards supports 10DGE ports?

- A. TPA1EXL1
- B. mA1EH1
- C. TPA1EXL2
- D. TPA1EX4

Correct Answer: B

Section:

QUESTION 130

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

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

Correct Answer: C

Section:

QUESTION 131

Which of the following is the service board type Y of MSTP equipment

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

Correct Answer: A, B, C

Section:

QUESTION 132

Which of the following items are the main functions of the U2000 network management?

- A. Topology Management
- B. Performance Management
- C. Alarm Management



- D. End-to-end business management
- E. Resource management

Correct Answer: A, B, C, D

Section:

QUESTION 133

Which of the following items is the default "fixed boundary port" of the system?

- A. FEU board IN/OUT port
- B. OTU unit line side port
- C. M40V board OUT port
- D. The OUT port of the OAU1 board

Correct Answer: A, B

Section:

QUESTION 134

Which of the following messages is sent in unicast mode

- A. ARP Request
- B. Peer BFD message
- C. DHCP Discover
- D. DHCP Request

Correct Answer: B

Section:

QUESTION 135

Which of the following does not belong to L3VPN?

- A. VPWS
- B. BGP/MPLS VPN c. GRE
- C. IPSec

Correct Answer: A

Section:

QUESTION 136

Which of the following queue scheduling mechanisms can ensure the priority of the most urgent and critical services?

- A. RFO
- B. PQ
- C. WFQ
- D. BE

Correct Answer: B



Section:

QUESTION 137

Which of the following is the electrical layer overhead of OTN?

- A. OPUk
- B. ODUK
- C. OCh
- D. OTUK

Correct Answer: A, B, D

Section:

QUESTION 138

Which of the following network element forms supports the functions of branch and line, cross multiplexing between lines and lines, and service adding and dropping functions?

- A. Terminal Multiplexer
- B. Add/Drop Multiplexer
- C. Regenerative Repeater
- D. Digital cross-connect equipment

Correct Answer: B

Section:

QUESTION 139

Which of the following network element forms supports the functions of branch and line, crossmultiplexing between lines and lines, and service adding and dropping functions?

- A. Terminal Multiplexer
- B. Add/Drop Multiplexer
- C. Regenerative Repeater
- D. Digital cross-connect equipment

Correct Answer: B

Section:

QUESTION 140

Which of the following items belong to the debugging work of the playback system?

- A. Commissioning the protection function
- B. Commissioning feature function
- C. Debugging Errors
- D. Optical power commissioning
- E. Cabinet Installation

Correct Answer: A, B, C, D

Section:



QUESTION 141

Which of the following are common reasons for pointer adjustment

- A. The clock source or clock source level is incorrectly configured, resulting in two clock sources or two NEs in the same network following each other, causing the AU and TU pointers to be adjusted
- B. The power supply of the subrack is faulty, which causes the clock board to work abnormally, and the AU and TU pointers are adjusted together.
- C. The fault of the cross-board board causes the clock quality of its distribution to be poor, causing the adjustment of the AU and TU pointers
- D. Road version failure, together with AU, TU pointer adjustment

Correct Answer: B, C

Section:

QUESTION 142

Which of the following options are the basic requirements of DWDM system for light source

- A. Output standard and stable wavelength
- B. The method using direct modulation
- C. Larger dispersion tolerance
- D. Using LE

Correct Answer: A, C

Section:

QUESTION 143

After the LAN is divided into VLANs, if computers in different VLANs want to communicate, IP routing needs to be established. Which of the following solutions can be used?

- A. STP
- B. L3 Switch
- C. L2 switch + router
- D. GVRP

Correct Answer: B, C

Section:

QUESTION 144

When using OptiX Datacollector to collect data, it can be collected by network element, which means to collect the fault data of all boards below the network element, or it can be collected by single board to collect the fault data of a single board under the network element.

- A. True
- B. False

Correct Answer: A

Section:

QUESTION 145

Through the northbound interface, the U2000 can flexibly connect with different third-party network management systems, providing physical storage and reporting data information for the upper-layer network.

- A. True

B. False

Correct Answer: A

Section:

QUESTION 146

The device IP addresses of gateway network elements and non-gateway network elements must be set in the same network segment

A. True

B. False

Correct Answer: B

Section:

QUESTION 147

The thickness of the fiber core, the refractive index of the village material and the cladding material have a decisive influence on the characteristics of the fiber.

A. True

B. False

Correct Answer: A

Section:

QUESTION 148

One LSPTunnel can only carry one PW

A. True

B. False

Correct Answer: B

Section:

QUESTION 149

In CES SATOP encapsulation, PWE3 will transparently transmit 32 time slots of an E1 frame as a whole from one end to the other

A. True

B. False

Correct Answer: A

Section:

QUESTION 150

During the negotiation between the two ends of the PTN LAG, the device with the smaller system priority number is the master device

A. True

B. False

Correct Answer: A



Section:

QUESTION 151

After the alarm inversion is set on the U2000, the alarm status of the board will also be changed accordingly, and the actual alarm status will no longer be indicated.

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 152

On the U2000 network management, you can make an inner ring and an outer ring on the PTNE1 port to facilitate testing

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 153

Which of the following descriptions about the reasons for the continuous adjustment of network element pointers is correct?

- A. The network element is located at the SDH/PDH boundary
- B. The frequency difference between the network element clock and the network clock
- C. There is a phase difference between the network element clock and the network clock
- D. The NE clock works in hold mode

Correct Answer: D

Section:

QUESTION 154

During the debugging of the SDH system, if the E1 port reports a T-ALOS alarm, which of the following actions are meaningful?

- A. Check the E1 wire between D75 and DDF connector
- B. Check the DDF rack connector
- C. Check the business configuration
- D. Check whether the E1 port has loopback

Correct Answer: A, B, D

Section:

QUESTION 155

Which of the following are the basic requirements of the DWDM system for the light source?

- A. Larger dispersion tolerance
- B. Using LEDs

- C. Output standard and stable wavelength
- D. Using the method of direct modulation

Correct Answer: A, C

Section:

QUESTION 156

In the NG-WDM system, which one of the following boards supports optical line protection?

- A. OTU
- B. DCP
- C. OLP
- D. QCP

Correct Answer: C

Section:

QUESTION 157

Which of the following is wrong about the comparison between Raman amplifiers and EDFAs?

- A. The Raman amplifier selects different pump sources to amplify signals in different bands, so the Raman amplifier has no gain bandwidth limit in theory, while the EDFA has a range of gain bandwidth
- B. The equivalent noise figure of the Raman amplifier is smaller than that of the EDFA
- C. The gain calculation/testing method of Raman amplifier and EDFA is consistent, both are "gain = output power - input power"
- D. The gain medium of Raman amplifier is transmission fiber: while the gain medium of EDFA is EDF (Erbium Doped Fiber)

Correct Answer: C

Section:

QUESTION 158

The loss of optical fiber mainly includes the following?

- A. Absorption loss
- B. Reflection Loss
- C. Bending loss
- D. Scatter loss

Correct Answer: B, C, D

Section:

QUESTION 159

100mw is roughly equal to how many dBm?

- A. 13dBm
- B. 15dBm
- C. 20dBm
- D. 10dBm

Correct Answer: A

Section:

QUESTION 160

Which of the following descriptions about the Optix OSN 9800 subrack are correct?

- A. When the OSN 9800 P18 is used as the slave subrack, the IU18 slot can only be inserted into the service board
- B. When the OSN 9800 universal platform subrack is used as the slave subrack, the main control board must be placed
- C. In the OSN 9800 U32 subrack, IU70 is the active CTU and IU78 is the standby CTU
- D. The OSN 9800 U16 subrack has a total of 16 service slots, these slots have the same capacity, and the maximum support single slot 400bit/s ODUK crossover

Correct Answer: A, B, C

Section:

QUESTION 161

Which of the following boards can be inserted into the OSN 9800U64 subrack?

- A. TN18LSC
- B. TNV1N401
- C. TN54GS4
- D. TNF5UNQ2

Correct Answer: C

Section:

QUESTION 162

Which of the following descriptions about optical power commissioning is wrong?

- A. During the commissioning process, it is necessary to pay attention to the range of the spectrum analyzer and the OUT board to avoid damage to the board and the spectrum analyzer due to excessive input optical power.
- B. In the case of ensuring that the optical power flatness meets the index requirements, the optical power flatness can be sacrificed to ensure the signal-to-noise ratio flatness
- C. The single-wave optical power at the receiving end can be calculated accurately according to the total power
- D. Too high optical power will cause nonlinear effects. The lower the optical power into the fiber, the smaller the nonlinear effects.

Correct Answer: C

Section:

QUESTION 163

Which of the following descriptions about EDFA is wrong?

- A. When the output power of the EDFA reaches saturation, increase the input optical power, and the gain of the EDFA will decrease
- B. The optical monitoring channel of 1510nm can be effectively amplified by EDFA
- C. Noise figure, saturated output power, gain flatness, gain, etc. are all important parameters to characterize EDFA
- D. The amplification of optical signals by EDFA is pure optical amplification without photoelectric conversion.

Correct Answer: B

Section:



QUESTION 164

Which of the following protections are protected by electrical layer double transmission and selective reception?

- A. Client side 1+1 protection
- B. ODUK SNCP Protection
- C. SW SNCP Protection
- D. ODUK ring network protection

Correct Answer: B, C

Section:

QUESTION 165

Which of the following descriptions about single-site commissioning is wrong?

- A. After the hardware inspection of the single station is completed, make sure that all power switches are in the off position
- B. It is strictly forbidden to plug and unplug the power plug and PIU single board while electrified
- C. In the case of power failure, you can contact the board without wearing an anti-static wrist or antistatic gloves
- D. If the input voltage of the equipment is not within the required range, a rectification suggestion should be put forward, and power-on is strictly prohibited

Correct Answer: C

Section:

QUESTION 166

When manually configuring network element data, you need to add a single board to the network element board bitmap. Adding a single board can add a physical single board that is actually in place on the network element, but cannot add a logical single board that does not exist on the actual device.

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 167

Which of the following descriptions about electrical layer service configuration is wrong?

- A. When the OCh service path exists, create the Client path directly, and the NMS can automatically create the OTUk and ODUk paths
- B. When there is an OCh service path, you can first search for the OTUk path, create the ODUk service layer path, and then create the Client path
- C. When the OCh service path exists, directly create the ODUk path, and the network management can automatically create the OTUk path
- D. After the logical fiber connection is completed, no path search operation is required, and the OTS path and OMS path can automatically generate the

Correct Answer: D

Section:

QUESTION 168

In the WDM transmission system, the main factors that affect the unevenness of the power balance of each channel do not include the following?

- A. Inhomogeneity of insertion loss of each channel of the combiner/demultiplexer

- B. The main channel adjustable optical attenuator setting is unreasonable
- C. EDFA gain unevenness
- D. The cable attenuation is too high

Correct Answer: A, B, C

Section:

QUESTION 169

Which one of the following is not necessary to establish a GE-level service path on the network management?

- A. Complete OSC path
- B. Complete ODU1 Path
- C. Complete OMS Path
- D. Complete OCH Path

Correct Answer: A

Section:

QUESTION 170

Since the CWDM system does not use optical amplifiers, the focus of commissioning is whether the optical reception of the OTU board is reasonable.

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 171

To determine whether the optical fiber lines and connectors on the wavelength division side are normal, which of the following loopback methods is most suitable?

- A. WDM side inner loopback
- B. WDM side outer loopback
- C. Client side loopback
- D. Client side outer loopback

Correct Answer: B

Section:

QUESTION 172

Which of the following descriptions about optical line protection OLP are wrong?

- A. OLP can only be configured on the FIU line side of each site
- B. Single-ended switching optical line protection requires APS protocol
- C. Segmentation protects the combined optical signal, and separate routing is used between sites
- D. The OLP board is used to protect the line fiber

Correct Answer: A, B



Section:

QUESTION 173

Which of the following residual dispersion values are within the dispersion tolerance of the TN52ND2 board?

- A. 700ps/rm
- B. 500ps/nm
- C. 900ps/nm
- D. 600ps/nm

Correct Answer: B, D

Section:

QUESTION 174

In the path hierarchy of the WDM network, which paths belong to the optical layer?

- A. OCH
- B. OTU
- C. OMS
- D. OTS

Correct Answer: A, C, D

Section:

QUESTION 175

CAR is deployed on PTN equipment. Which of the following descriptions is wrong?

- A. CBS bursts are marked in yellow
- B. Supports setting the processing mode for CAR-processed packets
- C. The unit of CBS/PBS is Bytes
- D. The value of PIR is required to be greater than or equal to CIR

Correct Answer: A

Section:

QUESTION 176

Which of the following descriptions about the IS-IS backbone area are correct?

- A. It is composed of all L2 routers (including L1/L2)
- B. can be discontinuous
- C. For inter-area routing
- D. Identify with area 0

Correct Answer: A, C

Section:

QUESTION 177



Which of the following descriptions about the PTN network deployment ring network intersecting ring are correct?

- A. Each ring operates independently, and when multiple rings intersect, they operate independently in pairs
- B. The intersection point requires business synchronization
- C. The intersection point requires business synchronization
- D. Once the business reaches the intersection, it will choose to cross the ring

Correct Answer: A, B, C

Section:

QUESTION 178

Where in the L2/L3 node is the VLAN in the Layer 2 header stripped in the packet sent by the base station in the LTE solution?

- A. L3VE sub-interface
- B. Network side interface
- C. Network side interface
- D. LOOPBACK interface

Correct Answer: A

Section:

QUESTION 179

Which of the following is a common wavelength in optical communication?

- A. 850nm.1310nm.1500nm
- B. 850nm, 1310nm.1550nm
- C. 850nm, 1330nm, 1550nm
- D. 800nm, 1310nm, 1550nm

Correct Answer: B

Section:

QUESTION 180

Which of the following is the destination MAC address of the Layer 2 header of the data received by the PTN960 from the LTE base station?

- A. The network port MAC of the PTN device connected to the base station
- B. User-side port MAC of the PTN device connected to the base station
- C. MAC of the base station gateway L3VE on the L2/L3 node
- D. The port MAC of the EPC device connected to the core L3PTN

Correct Answer: C

Section:

QUESTION 181

In the MPLS label field of the PTN network, which item is the identification field of the stack bottom label?

- A. Label ID



- B. EXP
- C. CS
- D. TTL

Correct Answer: D

Section:

QUESTION 182

According to the deployment plan of the existing network, which protocol does not need to be deployed for the interconnection between PTN equipment and SGW?

- A. VRRP
- B. IP/VPN Hybrid FRR
- C. ETH-Trunk
- D. BFD

Correct Answer: A

Section:

QUESTION 183

Which of the following identification fields in the data packet header of each protocol layer cannot identify the upper layer data type carried by this layer?

- A. TYPE
- B. TTL
- C. Source Port
- D. Protocol

Correct Answer: B

Section:

QUESTION 184

The purpose of setting the upper and lower threshold alarms for performance monitoring through professional network management does not include which of the following?

- A. Easy to analyze historical traffic
- B. If the data exceeds the upper and lower limits, the alarm will be reported to the network management as soon as possible
- C. In the report, the data that exceeds the reading value can be identified by the red mark
- D. Facilitates quick troubleshooting

Correct Answer: D

Section:

QUESTION 185

In Huawei's PTN7900 LTE solution, which of the following protection methods are used in the L2VPN part?

- A. IP/VPN FRR
- B. MC-PW APS
- C. MC-LAG
- D. VPN FRR



Correct Answer: B, C

Section:

QUESTION 186

Which of the following services can be processed by MP1 processing board?

- A. ML-PPP
- B. Ethernet
- C. CES E1
- D. IMA E1

Correct Answer: A, C, D

Section:

QUESTION 187

The PTN3900 device needs to complete the access and processing of E1 signals through the processing board, service daughter card, and interface board. Which of the following boards is not involved in the work?

- A. CD1
- B. MQ1
- C. MP1
- D. D12/D75

Correct Answer: C

Section:

QUESTION 188

PTN can support in-band DCN. At this time, the port needs to enable the DCN function, so PTN equipment cannot be managed by in-band DCN during CES services.

- A. True
- B. False

Correct Answer: B

Section:

QUESTION 189

Which of the following descriptions about the daily maintenance SOP is wrong?

- A. PTN cartridges are recommended to be backed up at least once a week
- B. PTN box device requires daily database backup
- C. Hardware alarms should be cleared in time
- D. PTN7900 requires cleaning the dust filter once a year

Correct Answer: C

Section:

QUESTION 190

When creating a PTN tunnel, you can set the priority of the tunnel. There are 0, 1, ... 7. The larger the value, the higher the priority.



- A. True
- B. False

Correct Answer: B
Section:

QUESTION 191

In order to support the self-opening of the base station and deploy the DHCP Relay function in the PTN LTE bearer network, which one of the following descriptions is wrong?

- A. Configure the route to the DHCP server on the PTN
- B. DHCP server address can be configured with multiple
- C. The default relay hop count of DHCP Relay is 255
- D. DHCP Relay is deployed on L2/L3 nodes

Correct Answer: C
Section:

QUESTION 192

Which of the following levels does MPLS-TP OAM detect?

- A. Tunnel layer
- B. Section layer
- C. PW layer
- D. link layer

Correct Answer: A, B, C
Section:

QUESTION 193

The activation operation is successful in the PTN network element upgrade operation. Which of the following states is the network element in?

- A. to be stabilized
- B. Normal state
- C. Pending distribution
- D. to be activated

Correct Answer: B
Section:

QUESTION 194

Which of the following descriptions about the possible reasons for PTN upgrade loading or activation failure are correct?

- A. AISCA loads the A2SCA software package
- B. Board initialization failed
- C. Insufficient space on the CF card
- D. After the loading is completed, the active/standby switchover is performed



Correct Answer: A, B, D

Section:

QUESTION 195

When the device reports the PW_APS_DEGRADED alarm, what is the problem with the LTE service carried by the station?

- A. The working protection channel has a channel failure
- B. The working protection channels are invalid
- C. None of the working protection channels fail
- D. Business interruption

Correct Answer: A

Section:

QUESTION 196

Which of the following detection methods can locate the fault point of LSP?

- A. ZMPLS Tracert
- B. LT
- C. CC
- D. MPLS Ping

Correct Answer: A, B

Section:

QUESTION 197

In the current network, which of the following is the most commonly used VLAN division method?

- A. Based on IP subnetting
- B. Port based division
- C. Based on protocol division
- D. Based on MAC division

Correct Answer: B

Section:

QUESTION 198

When creating a static tunnel, you need to specify the interface of the next hop. Which is the displayed address of the next hop?

- A. NEIP
- B. NE LSR-ID
- C. Next-hop interface IP
- D. does not involve

Correct Answer: C

Section:



QUESTION 199

MPLS was originally proposed to improve the forwarding speed of routers. It integrates the advantages of IP and ATM. What are the characteristics?

- A. Connectionless-oriented forwarding plane
- B. Connection-Oriented Forwarding Plane
- C. Connection-Oriented Control Plane
- D. Connectionless-oriented control plane

Correct Answer: B, D

Section:

QUESTION 200

Which of the following descriptions about routing loops is wrong?

- A. Routing loops may occur when different routing domains import routes from each other
- B. Routing loops can only be generated by dynamic routing protocols
- C. Routing loops prevent packets from reaching their destination correctly and cause link congestion
- D. The packet is routed circularly between two or more routers until the TTL is reduced to 0 and discarded

Correct Answer: B

Section:

QUESTION 201

Which of the following descriptions about bit errors in the SDH network is wrong?

- A. B1, B2, B3 can only detect the even number of errors in a block, and the odd number of errors cannot be detected
- B. B1, B2, B3 can only detect the odd number of errors in a block, and the even number of errors cannot be detected
- C. Through B1, B2, B3, the bit errors of the regeneration section, multiplex section and high-order channel can be detected respectively
- D. Bit error means that after receiving, judging, and regenerating, some bits in the digital code stream have errors.

Correct Answer: A

Section:

QUESTION 202

When the switch is working, the device forwards data according to the MAC address forwarding table. Which of the following descriptions is correct?

- A. The destination address of the packet is a unicast MAC address, but there is no corresponding entry in the MAC address table, the packet is discarded
- B. If the MAC address entry of the device reaches the upper specification limit of the device, the device cannot learn a new MAC address entry, and the data packet is discarded.
- C. If the destination MAC address of the packet is the broadcast MAC address, it will be flooded to all ports including the source port.
- D. The destination address of the message is a unicast MAC address, then look up the MAC address table, and if found, forward the frame to the corresponding port (excluding the source port)

Correct Answer: D

Section:

QUESTION 203

Which of the following LSRs are passed by an LSP?

- A. Egress
- B. Lable
- C. Ingress
- D. Transit

Correct Answer: A, C, D

Section:

QUESTION 204

When PTN carries LTE services, it forwards packets based on MPLS label switching. In the MPLS label, which identification field can be used as a PTN to distinguish the label at the bottom of the stack?

- A. Label ID
- B. BS
- C. EXP
- D. TTL

Correct Answer: D

Section:

