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Exam : **H12-931-ENU**

Title : Huawei Certified Internetwork
Expert-Transmission

Vendor : Huawei

Version : DEMO

NO.1 Regarding the interconnection of different circuit boards of OTN equipment, which of the following statements is correct (multiple choice)

- A. TN12ND2 and TN11ND2 can be connected in AFEC mode
- B. TN12ND2 and TN12NS2 can be connected in AFEC mode
- C. TN12ND2 and TN52ND2 can be connected in AFEC mode
- D. TN12ND2 and TN52/53/54/57NQ2 can be connected in AFEC mode

Answer: C,D

NO.2 In the network, clock equipment is usually used to ensure network synchronization, and different clock sources are selected according to the requirements of different clock accuracy. If you want to meet the clock accuracy of G.811, which clock source can you choose? (multiple choice)

- A. Cesium Atomic Clock + Rubidium Atomic Clock
- B. GPS+ crystal clock
- C. GPS+ Rubidium Atomic Clock
- D. Beidou + Rubidium Atomic Clock

Answer: A,C,D

NO.3 Regarding the OTN system network-level protection switching test, is the following statement wrong? ()

- A. In the OTN bearer SDH multiplex section ring networking scenario, in order to avoid simultaneous switching of OLP protection and MSP protection, the delay time can be set in the MSP protection group
- B. ODUk-SNCP protection is superimposed on OLP protection. In order to avoid secondary switching of SNCP protection, the delay time can be set in the SNCP protection group
- C. OLP master and backup optical power abnormal threshold exceeds 5dB by default to perform switching, and the threshold range can be set from -5 to 5
- D. By default, the power difference between the main and backup channels of the OLP protection group exceeds 3dB and reports an alarm, and the maximum can be set to 8dB;
- E. ODUk-SNCP does not involve a switching protocol, so it can assure customers that the test switching time must be less than 50ms

Answer: A,C,E

NO.4 The upgrade from GACSA to UXCSB for OSN 3500 equipment is as follows:

1. Replace the spare cross-connect board
2. Switching between active and standby cross-connect boards
3. Replace the original main cross board
4. Data consistency check

- A. 1234
- B. 4231
- C. 4321
- D. 2134

Answer: A

NO.5 Before configuring SOM, the physical fiber connection from OMCA to the optical amplifier

board must be completed, and the logical connection fiber from OMCA to the optical amplifier board does not affect the OMS path generation, so it does not affect the configuration of SOM.

A. FALSE

B. TRUE

Answer: A

NO.6 The main survey points of engineering survey are (multiple choices)

A. Length of optical fiber, interface type

B. The diameter, length, number of power supply circuits, power supply voltage, power supply power of the power cord

C. Computer room installation environment such as the height of the computer room, wiring method, ground type, load-bearing capacity of the computer room, seismic requirements, row spacing, etc.

D. Impedance, wire diameter, length, and connector of the relay cable

Answer: A,B,C,D

NO.7 Which of the following operations may be caused by non-linear effects

A. Replace the originating optical amplifier board with a Raman board, reducing the bit error of the OTU board

B. Reduce the output optical power of the transmitter, reduce the error of the OTU board

C. Increase the transmitter optical amplifier gain, reduce the bit error of the OTU board

D. Adjust the gain of the receiving optical amplifier board, reduce the error of the OTU board

Answer: B

NO.8 Which of the following descriptions are correct in daily maintenance?

A. Unplug and plug the board with the customer's consent

B. For the convenience of collecting data, if you don't know the customer, you can directly create a network element user to collect data

C. Without the authorization of the customer, the network management performs configuration data operations

D. During the cutover process, it is found that other unrelated network elements report an alarm, but the customer does not know that it will be processed directly

Answer: A

NO.9 When relocating the OLA site (10G system), which of the following descriptions are wrong

A. The relocation distance has changed, and the system dispersion needs to be re-evaluated

B. The relocation distance has changed and the system signal-to-noise ratio needs to be reassessed

C. There is no need to adjust the optical power of upstream and downstream sites in the network management during the relocation process

D. The relocation distance has changed, and the optical power of the line needs to be reassessed

Answer: C

NO.10 NE1\NE2\NE3 forms a chain network. There are VC4 other services between NE1 and NE3.

NE2 is a pass-through site. After the configuration is completed, NE3 site reports the HP-SLM alarm of

C2 byte mismatch.

What are the detection points at this time? (multiple choice)

- A. NE2 West C2 byte
- B. NE2 east C2 byte
- C. C2 byte in the sending direction of NE1
- D. NE3 receiving direction C2 byte

Answer: C,D

NO.11 Which of the following protections in microwave equipment does not require dual slots?

- A. SD
- B. FD
- C. SD+FD
- D. HSB

Answer: D

NO.12 During the equipment installation process, the following statement is wrong:

- A. Wear anti-static gloves or anti-static wrist straps before touching the equipment, holding boards, veneers, IC chips, etc.
- B. Inside the cabinet, the binding interval of optical fiber cable ties/optical fiber ties should not exceed 250mm, and the binding interval of user cable ties should not exceed 200mm
- C. In order to dissipate heat, the empty slots on the network element can be used without filler panels
- D. When plugging and unplugging a board with a connecting cable or pigtail on the panel, you should first unplug the connecting cable or pigtail before plugging and unplugging

Answer: C

NO.13 In the process of creating an upgrade task, the following statement is wrong

- A. "Forced Parallel Activation". In this activation mode, all groups are activated in parallel, which will cause business interruption.
- B. The upgrade operator must use the "admin" level user for the health check, otherwise some check items will fail to execute and reduce the check efficiency.
- C. For gateway network elements, if you check the "If the network element to be loaded is a gateway network element, it is mandatory to select FTP/SFTP protocol loading" configuration item, you need to configure an FTP/SFTP server on the network management server to improve the loading speed.
- D. Check "Adopt package customization. The software added by the user is a partial package, that is, matching according to the single board on the network element can improve the efficiency of adding."

Answer: B

NO.14 When congestion occurs, queuing strategies can be varied. If you need to take service for the messages that arrive first, you can use the () queuing strategy; if you want to ensure that the most urgent and critical services are served first, you can use the () queuing strategy; if you need to balance the delay and delay jitter of each stream, You can choose () queuing strategy; if you want to provide professional bandwidth for a specific business, you can choose () queuing strategy.

- A. WFQ, PQ, CQ, FIFO
- B. PQ, FIFO, WFQ, CQ
- C. FIFO, PQ, WFQ, CQ
- D. FIFO, CQ, PQ, WFQ

Answer: C

NO.15 If the meter sending data frame rate is X and receiving data frame rate is Y, then the packet loss rate = $(XY) / X * 100\%$, usually the packet loss rate + throughput = 1

- A. TRUE
- B. FALSE

Answer: A

NO.16 The following statement is correct () (multiple choice)

- A. Volume manager and volume duplicator manage physical disks through logical "volumes", so the operating system and U2000 software are located on them
- B. In any case, the backup machine does not write data to the data copy buffer area
- C. Veritas is a highly reliable system composed of volume manager, volume replicator, local cluster software, etc.
- D. Local dual machine, Linux can use Bond mode to connect externally and support floating IP

Answer: B,C,D

NO.17 In the Linux system, the directory tree structure and the file system are two different concepts. The file system is the logical way of managing files in the operating system, and the directory tree structure is the physical storage method of files on the disk or partition.

- A. TRUE
- B. FALSE

Answer: B

NO.18 Which of the following descriptions of the 100G system protection configuration is correct ()?

- A. TTX board can support tributary SNCP protection only when the client side accesses 10GE LAN services
- B. When using OLP or DCP with LSC board to achieve 1+1 protection on the board, the switching mode can be set to single-ended switching or double-ended switching
- C. When the scheduling particle of the NS4 board is ODUflex, it can support ODUk ring network protection
- D. 40G/100G coherent relative to 40G eDQPSK on-board 1+1 protection, the protection channel does not require additional configuration of TDC boards

Answer: D

NO.19 Which of the following descriptions of ODUk SNCP protection types are wrong?

- A. The protection subtype is "SNC/S": To monitor the PM layer, OTN overhead needs to be set;
- B. The ODUk SNCP protection configuration of the receiving site needs to be consistent with the ODUk SNCP protection configuration of the sending site;

C. For the boards that need to be configured with ODUk SNCP protection and electrical crossover, the configuration is different according to the selected board and client side services;

D. When the protection subtype is "SNC/I", there is no need to set OTN overhead, but when configuring this type of protection, both ends of the business must be within the scope of SM overhead monitoring;

Answer: A

NO.20 In the SDH network, the S1 byte is used to transmit synchronization status information. Which of the following S1 byte values represents the G.811 recommended clock?

A. 0x00

B. 0x0f

C. 0x0b

D. 0x02

E. 0x04

Answer: D