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Latest Exam Guide & Learning Materials

**Exam** : **H31-321**

**Title** : **HCNP-MSTP Transmission**

**Vendor** : **Huawei**

**Version** : **DEMO**

**NO.1** When commissioning OptiX OSN 3500 equipment, decide whether optical attenuators are needed. If the optical power is too high, user an attenuator to reduce optical power and to prevent damage to an optical port.

Generally, for which port of an optical module is an optical attenuator used?

- A. OUT
- B. T1
- C. R1
- D. IN

**Answer:** D

**NO.2** In a board replacement scenario, an SDH board is configured with ring MSP. Which alarm will be reported after a forced switchover?

- A. APS\_FAIL
- B. APSJNDI
- C. R\_APS
- D. APS\_MANUAL\_STOP

**Answer:** B

**NO.3** What may cause the HP\_LOM alarm?

- A. The C2 byte to be transmitted on the terminal NE is 0x00, and the pass-through NEs are set to pass through the overhead.
- B. The board (for example, a cross-connect board) is faulty, resulting in loss of the H4 byte or incorrect H4 byte.
- C. The service level is set inconsistently at both ends.
- D. Services are not configured on upstream NEs.

**Answer:** B,C

**NO.4** Which of the following is true about pointer justification?

- A. If the local NE detects an TU pointer justification event in the lower order path, pointer justification has occurred on the local NE.
- B. When an NE receives eight consecutive NDFs, the NE reports the AU\_LOP alarm, indicating loss of the AU pointer.
- C. The justification step of AU and TU pointers is 1 byte.
- D. When the rate (frame frequency) of VC-4 is higher than that of the AU-4, a positive pointer justification will occur.

**Answer:** B

**NO.5** Network-level protection switching must be tested during system commissioning for OptiX OSN 3500. Which of the following will trigger protection switching on a ring network?

- A. Disconnect fibers.
- B. Power off the equipment.
- C. Shut down the laser.
- D. Perform a loopback (LB) test.

**Answer:** A,B,C

**NO.6** Which of the following about ECC channels are true?

- A. An ECC route is established on the shortest path.
- B. An ECC route is a geographical distance.
- C. The establishment of an ECC route requires dual transmission of requests at the transmit station. You can select route establishment mode on the transmit station.
- D. An ECC route is a logical distance and refers to the total number of hops between stations.

**Answer:** A,D

**NO.7** Which of the following are true about tunnel services?

- A. You do not need to manually create or delete the lower order cross-connections between a line board and a tributary board.
- B. Tunnel levels include diamond, gold, silver, or copper.
- C. A tunnel is an ASON service path.
- D. An ASON service and a traditional service can be converted to each other.
- E. A tunnel cannot be optimized.

**Answer:** B,C,D

**NO.8** Shared mesh restoration trails and preset restoration trails are reserved resources for certain services. They cannot be used by other services.

- A. FALSE
- B. TRUE

**Answer:** A

**NO.9** Alarm signals on the PDH ports working at different rates differ. Which of the following are true?

- A. The PAIS is reported when an E3 electrical interface board detects all "I"s in signal streams.
- B. The DOWN\_EI\_AIS is reported when an EI electrical interface board detects all "I"s in the downstream signal stream.
- C. The UP\_E1\_AIS is reported when an EI electrical interface board detects all "I"s in the upstream signal stream.
- D. The P\_LOS alarm is reported when external signals are lost on an E3 or E4 electrical interface board.
- E. The T\_ALOS alarm is reported when external signals are lost on an EI electrical interface board.

**Answer:** A,B,C,E

**NO.10** What are the impacts of discrete services?

- A. The trails resources queried on the NMS are incomplete.
- B. Trail configuration fails and the NMS prompts timeslot conflict.
- C. It is impossible to perform trail-based management, including fault diagnosis and maintenance.
- D. The timeslot allocation diagram displayed on the NMS is incorrect.

**Answer:** A,B,C,D

**NO.11** Which of the following statements are true about the processing of higher-order path overheads on OptiX NG-SDH equipment?

- A.** By default, VC-3-level services are terminated.
- B.** For VC-4-level services, overhead processing mode is configurable.
- C.** For VC-12/VC-3-level services, overhead processing mode is not configurable.
- D.** By default, VC-12-level services are terminated.
- E.** By default, VC-4-level services are terminated.

**Answer:** A,B,C,D

**NO.12** What are the common causes for pointer justification?

- A.** The tributary board is faulty, resulting in justification of both AU and TU pointers.
- B.** The power supply for the subrack is faulty, resulting in abnormal operation of clock boards. AU and TU pointers will adjust.
- C.** The cross-connect board is faulty, resulting in degraded clock quality. AU and TU pointers will adjust.
- D.** Clock sources or clock source levels are configured incorrectly. As a result, there are two clock sources on one network or a timing loop occurs. AU and TU pointers will adjust.

**Answer:** B,C,D