

Huawei

H12-931_V2.0

HCIE-Transmission (Written) V2.0

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Latest Version: 6.0

Question: 1

Why is cross-connection setup critical in MS-OTN service configuration?

- A. It encrypts Ethernet frames end-to-end.
- B. It determines the physical cabling paths.
- C. It defines logical service paths between endpoints.
- D. It dynamically allocates IPv6 addresses.

Answer: C

Question: 2

A mobile carrier needs to synchronize multiple transmission nodes to support 5G services with sub-microsecond accuracy. Which synchronization method is most appropriate?

- A. PTP-based synchronization with GPS backup
- B. SNMP-based configuration
- C. Manual clock adjustment
- D. FTP synchronization over Ethernet

Answer: A

Question: 3

An operator wants optical-layer services to automatically reroute if a fiber cut occurs, and electrical-layer services to have an additional independent backup. Which strategy should be implemented?

- A. Static cross-connections only
- B. Nested protection across optical and electrical layers
- C. Manual path switching upon alarms
- D. Disabling protection features to save bandwidth

Answer: B

Question: 4

A carrier is deploying a transmission backbone network that must support premium video conferencing, best-effort internet access, and voice services. Strict service differentiation is needed based on application type.

Which QoS model should be implemented to meet this requirement?

- A. Best-effort forwarding
- B. Static routing without traffic classification
- C. IP over ATM
- D. DiffServ-based classification and scheduling

Answer: D

Question: 5

Which key technology improves signal quality in Huawei's ULH solutions?

- A. Microwave hopping
- B. Coherent detection and advanced FEC (Forward Error Correction)
- C. RF signal amplification
- D. Static electrical cross-connection

Answer: B

Question: 6

What is a key reason for reconstructing an existing OTN network?

- A. To replace fiber with copper
- B. To expand service capacity and improve flexibility
- C. To convert optical signals into RF signals
- D. To reduce optical transmission distances

Answer: B

Question: 7

What is a benefit of using Super C-band technology in WDM systems?

- A. Reduced optical amplification
- B. Elimination of fiber nonlinearities
- C. Expanded wavelength capacity for transmission

D. Use of shorter wavelength channels

Answer: C

Question: 8

Which Huawei product family is primarily used for building DCI optical transport networks?

- A. OptiXtrans DC908/OptiXtrans E6600 series
- B. CloudEngine switches
- C. AR Router series
- D. NetEngine WAN routers

Answer: A

Question: 9

Why is the adoption of all-optical switching important for future optical networks?

- A. It increases optical signal degradation.
- B. It improves network agility and reduces latency.
- C. It forces manual reconfiguration.
- D. It limits wavelength channel density.

Answer: B

Question: 10

What must be enabled to deploy optical-layer ASON services in a NG WDM network?

- A. Electrical layer switching
- B. Manual service provisioning
- C. Optical control plane
- D. Static ODU cross-connections

Answer: C

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