



Vendor: Huawei

Exam Code: H31-341_V2.5

Exam Name: HCIP-Transmission V2.5

Version: DEMO

QUESTION 1

How many VC12 virtual TE links are supported by the same physical board or between two adjacent network elements?

- A. 1
- B. 4
- C. 8
- D. 2

Answer: B

QUESTION 2

For WDM networks, which of the following descriptions are correct?

- A. For 10G and 100G mixed transmission networks, you can judge whether the dispersion compensation is consistent with the design based on the performance of 100G
- B. For the OAU board, you can roughly judge the type of DCM module connected to the site according to the upper threshold of the nominal gain on the network management system - the upper threshold of the actual gain
- C. For the OAU board, you can roughly judge the type of DCM module connected to the site according to the difference between the output of PAOUT1 and the input of BAIN
- D. For 10G and 100G mixed transmission networks, you can judge whether the dispersion compensation is consistent with the design according to the performance of 10G

Answer: C

QUESTION 3

In the following OTN frame structure overhead, which item represents the path tracing identifier?

- A. BDI
- B. TTI
- C. BIP8
- D. GCCO

Answer: B

QUESTION 4

Which of the following statements about the delay test is wrong?

- A. The delay is divided into the delay of the store-and-forward device and the delay of the bit-forward device. Huawei devices are all store-and-forward devices
- B. The timing starts from the entry of the first bit of the data frame, and ends when the first bit of the data frame appears on the output terminal P. The time difference between the two is the delay of the bit forwarding device
- C. The timing starts from the entry of the first bit of the data frame, and ends when the first bit of the data frame appears on the output terminal P. The time difference between the two is the delay of the bit forwarding device
- D. During the delay test, the frame rate can be greater than the throughput

Answer: D

QUESTION 5

When congestion occurs, queuing strategies can be varied. If you need to get services for the first arriving packets, you can use the () queuing strategy; if you want to ensure that the most urgent and critical business is served first, you can use the () queuing strategy; if you need to balance the delay and delay jitter of each flow, you can choose () queuing strategy; if you want to provide professional bandwidth for specific services, you can choose () queuing strategy.

- A. FIFO, PQ, WFQ, CQ
- B. F1FO, CQ, PQ, WFQ
- C. WFQ, PQ, CQ, FIFO
- D. PQ, FIFO, WFQ, CQ

Answer: A

QUESTION 6

When using the dual slot line group MSP ring, which of the following situations is the multiplex section overhead K bytes in the pass-through state?

- A. The cross board is abnormal
- B. The main control board is abnormal
- C. The main control board is not in place
- D. When the status of the multiplex section protocol controller is pass-through

Answer: C

QUESTION 7

In the network management planning process, which item is not absolutely necessary?

- A. Network scale planning, network management deployment planning
- B. DON network planning, OSS docking planning
- C. Network parameter planning and reliability planning of the network management server
- D. Network management software and hardware configuration

Answer: B

QUESTION 8

If a ROADM site adopts WSS+RMU configuration, which of the following impact on SOM is wrong?

- A. If the RMU is used locally to add waves and has an optical amplifier, the OSNR value of the wavelength detected by the SOM in the pass-through direction will deviate from the actual value
- B. There is an optical amplifier locally but no filter. The full-wave noise of the local optical amplifier affects the OSNR of the wavelength in the pass-through direction.
- C. The source and sink optical amplifiers of the optical crossover at this site must be in the same network element

Answer: A

QUESTION 9

Which of the following description of the 100G mixed transmission system is wrong?

- A. Coherent and non-coherent signals (10G and 40G ODB will affect each other, resulting in a sharp drop in performance, and isolation bands are necessary)
- B. 40G DQPSK and coherent signals will not affect each other without isolation band
- C. 10G starts from a short wavelength, and the isolation band can be filled with 40G DQPSK wavelength
- D. The cost of mixed transmission is related to the number of transmission spans and the width of the isolation bandwidth, and has nothing to do with the FEC encoding method

Answer: D

QUESTION 10

Which of the following is the performance related to SM segment error?

- A. OTUK_BBE
- B. OTUK_SM_FEBBE
- C. OTUK_SM_FEES
- D. OTUK_PM_BBE

Answer: A

QUESTION 11

Which of the following protections in microwave equipment does not require dual slots?

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

Answer: C

QUESTION 12

Reasons which is impossible for OTN equipment and network elements to be disconnected frequently?

- A. When using optical monitoring, the DCC mode setting is wrong
- B. Using electrical monitoring, the line quality is not good
- C. NE ID conflict
- D. Users of the same network element log in to the network element at the same time

Answer: A

QUESTION 13

Which reason for the OA_LOW_GAIN alarm is wrong?

- A. The input optical power of the board is too high
- B. The insertion loss between the TDC and RDC optical ports is too large (only for the OAU board)

- C. The board that reported this alarm is faulty
- D. The gain of the optical amplifier board is set too low

Answer: D

QUESTION 14

Which of the following statements about the main and backup channels of optical line protection is wrong?

- A. "Initial Difference Between Active and Standby Channels (dB)"--the reference value used to set the optical power difference between the active and standby channels of the board.
- B. "Master-standby channel difference threshold (dB)" - used to set the difference between the main and standby optical ports of the board when the optical power difference reaches a certain value, it will be regarded as a signal failure (SF).
- C. When the difference in the optical power of the full backup exceeds the threshold, the optical switch will switch the service to the backup channel, and the set value supports query. Recommended setting is 5dB
- D. If the current optical power difference between the active and standby channels exceeds the "main and standby channel difference threshold (dB)", the system will initiate protection switching.

Answer: C

QUESTION 15

In the path search process of the U2000 network management, the path search management module first scans the cross-connections of each network element, constructs sub-paths according to the cross-connections of adjacent network elements, and tries to merge these sub-paths at the same time. Which of the following sub-paths is legal?

- A. Subpaths form a loop
- B. The path does not pass through the fiber
- C. The original destination is not the end point of the subpath or the optical port of the subnet
- D. The sub-path terminates on the pre-configured network element

Answer: D

QUESTION 16

After which of the following steps, the rollback operation cannot be performed?

- A. load
- B. to distribute
- C. to activate
- D. Submit

Answer: D

QUESTION 17

In order to meet the specified synchronization quality requirements, corresponding requirements must be made on the network for synchronous transmission, and the specified networking rules must be followed during network planning. Which of the following is wrong?

- A. In one clock transmission direction, the number of stations between the transit office clocks cannot exceed 30
- B. The number of switching office clocks cannot exceed 10
- C. The total number of devices in one direction cannot exceed 60

Answer: A

QUESTION 18

For NG-SDH equipment equipped with dual main control boards, when the main control board is upgraded, which of the following statements is correct?

- A. After upgrading the standby main control board first, the upgrade of the original active main control board can be completed as long as the main control board is switched through A.
- B. Upgrade the active main control board first, and then upgrade the standby main control board
- C. Complete the upgrade of the standby main control board first, then perform a hard reset on the current active main control board to make it active and standby switchover, and then upgrade the current active main control board
- D. First upgrade the active main control board and then upgrade the standby main control board in the same way

Answer: C

QUESTION 19

Regarding the TTX board, which of the following statements is correct?

- A. In essence, the TTX board is not a 100G tributary board, but it requires a single-slot 100G crossover capacity
- B. 8800 T64/T32 universal subrack can support TTX single board
- C. This board belongs to the tributary board and can access 100G client-side services
- D. TTX can do ODU4 particle electrical crossover with NS4

Answer: A

QUESTION 20

In the process of equipment installation, which of the following statements are wrong?

- A. Wear anti-static gloves or an anti-static wrist strap before touching the device, holding the plug-in board, single board, ICA chip, etc.
- B. Inside the cabinet, the binding interval of the cable buckle/fiber binding band of the optical fiber shall not exceed 250mm, and the binding interval of the cable buckle of the user cable shall not exceed 200mm
- C. In order to dissipate heat, the empty slots on the network element do not need to be inserted with filler panels
- D. When plugging and unplugging a single board with connecting cables or pigtails on the panel, unplug the connecting cables or pigtails first, and then plug in and out

Answer: C

QUESTION 21

OptiX OSN 1800 is a compact multi-service optical transmission platform. Which of the following

descriptions is wrong?

- A. Does not support 158802 transmission, does not support external time signal access
- B. The maximum rate of single channel is 10 Gbit/s (OTU2)
- C. The OptiXOSN 18001 box provides a total of 4 service board slots
- D. The OptiX OSN 180011 box provides a total of 8 service board slots

Answer: A

QUESTION 22

When configuring the dual-stage amplifier board of RAU+OAU, which position in the figure below is the best recommended position for the DCM module?

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

Answer: C

QUESTION 23

The clock ID can solve the possible timing loop problem. In the following networking, in order to completely solve the clock loop, how many clock IDs need to be set in total?

- A. 3
- B. 4
- C. 6
- D. 7

Answer: C

QUESTION 24

Regarding the reporting of the OTUk_BDI alarm, which of the following statements is wrong?

- A. Only the port on the WDM side will report oTuk_BDI
- B. The downstream station receives the OTUk_AIS corresponding to the OTU board
- C. The downstream station corresponding to the OTU board receives the OTUk_TIM
- D. The downstream station receives the OTUk_SSF corresponding to the OTU board

Answer: A

QUESTION 25

Regarding the description of OSS, which is wrong?

- A. The network layer of the OSS is above the NMS, and the management of network element devices is generally implemented through the NMS.
- B. The OSS system is mainly used to improve the work efficiency of equipment maintenance personnel
- C. OSS system (Operation Support System) refers to a software system that provides operators with functions such as communication equipment performance management, inventory management,

business management, and fault management.

- D. The U2000 supports multiple northbound interfaces such as SNMP, TL1, XML, and DCORBA, which can realize rapid integration with the operator's OSS system.

Answer: A

QUESTION 26

In NG-SDH equipment, which of the following conditions will not cause TPS switching to occur?

- A. 3.3V power supply undervoltage
- B. Abnormal 58M crystal oscillator
- C. Abnormal chip (SD538, SA527, CPLD)
- D. Report T_LOSEX on the working branch board

Answer: D

QUESTION 27

Which of the following performances do not need to be evaluated when expanding the wavelength division system of the existing network?

- A. PMD parameters of the link
- B. Bit error rate before error correction of OTU at the receiving end
- C. Optical power flatness at the receiving end (with MCA configured)

Answer: A

QUESTION 28

Which of the following descriptions about the client-side 1+1 protection features is wrong?

- A. OTU client optical layer dual transmission and selective reception
- B. Protect the OTU single board and OCh optical fiber by occupying and protecting two wavelengths and using different routes for transmission
- C. The working and protection wavelengths must be the same
- D. Long application time and wide protection range

Answer: C

QUESTION 29

The gain of the OAU single board is 23db, and 1% of the total output power of the OAU single board is used for MON detection. Now the output optical power of the MON port is tested to be -8dbm, and the input optical power of the IN port of the OAU single board is?

- A. -11dbm
- B. -13dbm
- C. -15dbm
- D. -21dbm

Answer: A

QUESTION 30

During the U2000 dual-system installation and commissioning, the operations that can be performed by the ossuser user are?

- A. When you forget the password or the password expires and you cannot log in to dbuser, you can log in to the operating system as the ossuser user, and use "#passwd dbuser" in the terminal to change the password
- B. When the U2000License file is modified to the DOS format, you can log in as the ossuser user. B executes the dos2unix command to convert the U2000License file format from the DOS format to the UNIX format.
- C. Modify the password of the admin user who logs in to the vcs client
- D. On the Solaris or SUSE Unix platform, if you cannot log in to the graphical desktop, you can log in as the ossuser user and use the command line to restore the binary mode database

Answer: D

QUESTION 31

In coherent systems and non-standard fiber entry scenarios, the reference point of fiber entry optical power is moved from the output port of the optical amplifier board at the sending end to the output port of the FIU.

- A. True
- B. False

Answer: A

QUESTION 32

For a point-to-point network, set the TIM mode on the network management system to path terminal sink "only compare DAPI".

- A. True
- B. False

Answer: B

QUESTION 33

The two-fiber bidirectional multiplex section shared protection ring requires the active and standby boards to be inserted into the dual slot.

- A. True
- B. False

Answer: A

QUESTION 34

The instrument test method is generally used to eliminate external problems of transmission equipment and docking problems with other equipment.

- A. True

B. False

Answer: A

QUESTION 35

The OAU board at the 48-wave OTM site completes signal amplification.

A. True

B. False

Answer: B

QUESTION 36

Ring multiplex section protection utilizes K1 and K2 bytes to transmit switching requests to realize automatic protection.

A. True

B. False

Answer: A

QUESTION 37

SOTU stands for Single Optical Transport Unit Interface, and MOTU stands for Multiple Optical Transport Unit Interface.

A. True

B. False

Answer: A

QUESTION 38

The technology of using local oscillator lasers of the same frequency to interfere with the received optical signal, and recovering the amplitude, phase and polarization state information from the received signal is called coherent receiving technology.

A. True

B. False

Answer: A

QUESTION 39

The protection channel of the 1+1 linear multiplex section can be configured with additional services.

A. True

B. False

Answer: A

QUESTION 40

The essence of QPSK modulation is to select 4 possible values on the optical field phase, so that the baud rate can be reduced by half without reducing the line rate.

- A. True
- B. False

Answer: A

QUESTION 41

The switching mode of 1:1 linear multiplex section can be single-ended switching or double-ended switching.

- A. True
- B. False

Answer: B

QUESTION 42

The switching mode of the 1+1 linear multiplex section can be single-ended switching or double-ended switching.

- A. True
- B. False

Answer: A

QUESTION 43

The ECC protocol uses the network element ID as the unique identification of the network element. When NCE identifies different network elements in the interface and database, it also uses the network element ID as the keyword for retrieval.

- A. True
- B. False

Answer: A

QUESTION 44

The OSC monitoring wavelength is 1510nm, the rate is 2Mb/s, and the receiving sensitivity can reach -48dBm.

- A. True
- B. False

Answer: A

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