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Question: 1

Which card is the NCS 2000 Optical Service Channel built into?

- A. Transport Shelf Controller
- B. Transport System Controller
- C. Transport Node Controller
- D. External Connection Unit

Answer: C

Question: 2

How many slots does NCS 2006 have?

- A. 6
- B. 8
- C. 10
- D. 7

Answer: B

Question: 3

Which document is designed to be a problem-solving aid?

- A. NCS 2000 Reference Guide
- B. NCS 2000 Troubleshooting Guide
- C. NCS 2000 Procedure Guide
- D. NCS 2000 TL1 Reference

Answer: B

Question: 4

Which document do you refer to for information about procedures (release 10.0 and later)?

- A. Getting Started Guide
- B. Reference Guide
- C. Configuration Guide
- D. Upgrade Guide

Answer: C

Question: 5

Which two methods can be used to start Cisco Transport Controller? (Choose two.)

- A. web browser
- B. Telnet
- C. StartCTC application
- D. FTP

Answer: A, C

Question: 6

Which three platforms does Cisco Transport Controller manage? (Choose three.)

- A. NCS 4000
- B. ONS 15454 MSTP
- C. NCS 6000
- D. NCS 2000
- E. ASR 9000
- F. CRS

Answer: A, B, D

Question: 7

Where within Cisco Transport Controller can the user view the software release level for all nodes in the network?

- A. Shelf ? Maintenance ? Software
- B. Node ? Maintenance ? Software
- C. Network ? Maintenance ? Software
- D. Shelf ? Maintenance ? Wavelength Power

Answer: C

Question: 8

Which environment does Cisco Transport Controller run in?

- A. client/server
- B. PC-based application
- C. mainframe
- D. on-demand, browser-based Java application

Answer: D

Question: 9

In addition to a summary window, which three windows does the Navigation/Summary Pane contain? (Choose three.)

- A. Network Explorer
- B. Circuit Explorer
- C. Alarm Explorer
- D. Quick Links
- E. Inventory
- F. User Provisioning

Answer: A, B, D

Question: 10

In Cisco Transport Planner, which report do you reference to determine which wavelengths are used in which portions of the network?

- A. Traffic Matrix
- B. Link Availability
- C. Wavelength Routing
- D. Internal Connections

Answer: C

Question: 11

Which file is exported by Cisco Transport Planner and is used to provision nodes during installation?

- A. Bill of Materials
- B. NE Update
- C. Circuit Report
- D. Internal Connections

Answer: B

Question: 12

Refer to the exhibit.



Which option describes the purpose of the selected button in Cisco Transport Planner?

- A. enters network design mode
- B. performs network analysis
- C. views reports
- D. enters network upgrade mode

Answer: B

Question: 13

Which color represents a circuit that passes all design criteria in the Cisco Transport Planner Optical Results report?

- A. red
- B. green
- C. yellow
- D. magenta

Answer: B

Question: 14

Refer to the exhibit.



Which action does the selected Cisco Transport Controller option allow the user to perform?

- A. Create a new point-to-point demand.
- B. Create a new fiber duct.
- C. Add a node.
- D. Analyze the network.

Answer: A

Question: 15

Which feature enables the output Cisco Transport Planner to directly provision an NCS 2000 network element?

- A. easy setup
- B. automatic node setup
- C. software defined networking
- D. autoprovisioning

Answer: B

Question: 16

Which Cisco Transport Controller tab under Maintenance-DWDM displays the power value for every point that has a power monitor in the shelf?

- A. WDM Span Check
- B. All Facilities
- C. Side Power Monitoring
- D. APC

Answer: B

Question: 17

Besides the controller cards, in which other location is the NCS 2006 database stored?

- A. LCD unit
- B. Fan tray
- C. Power supplies
- D. Chassis

Answer: A

Question: 18

In an NCS 2006 multishelf configuration, what is the name of the shelf that holds the node configuration?

- A. primary shelf
- B. master shelf
- C. subtended shelf
- D. node controller shelf

Answer: D

Question: 19

How many shelves can be combined into a single network element with NCS 2000 multishelf management?

- A. 50
- B. 30
- C. 25
- D. 10

Answer: A

Question: 20

How many shelves can be subtended from a node controller shelf in an NCS 2006 multishelf configuration?

- A. 2
- B. 3
- C. 0

D. 6

Answer: B

Question: 21

During Automatic Node Setup, if cards are not already installed, what will the setup tool do during slot setup?

- A. abort the procedure and restart
- B. skip over the empty slots and proceed to the next step
- C. return an error message, disconnect, and restart
- D. preprovision the slots with the appropriate card

Answer: D

Question: 22

What does setup do with passive units?

- A. They are skipped.
- B. It returns an error.
- C. It inserts a placeholder in the rack diagram.
- D. It prompts the user for more information.

Answer: C

Question: 23

Which combination and quantity of ports does the AnyRate Xponder card have?

- A. 8 SFP and 2 XFP
- B. 10 SFP and 2 SFP+
- C. 8 SFP and 4 QSFP
- D. 6 SFP and 2 CPAK

Answer: A

Question: 24

How many 100G transponders are supported in the NCS 2006 chassis?

- A. 3
- B. 4
- C. 6
- D. 8

Answer: C

Question: 25

In which three modes can NCS 2000 100G line cards operate? (Choose three.)

- A. transponder
- B. amplifier
- C. trunk using a separate client card
- D. regenerator
- E. encryptor
- F. dispersion compensator

Answer: A, C, D

Question: 26

Between which types of endpoint are optical channel network connections made?

- A. wavelength add/drop ports
- B. transponder client ports
- C. transponder trunk ports
- D. optical service channel ports

Answer: A

Question: 27

Which two options are two modes of operation in the 2-port CFP line card? (Choose two.)

- A. 2 x 100G muxponder into 200G line card
- B. two 40G transponders
- C. 2 x 40G muxponder client into one 100G line card
- D. two 100G clients into two 100G WDM line cards

Answer: C, D

Question: 28

Which two options are the two modes of operation for the 10 port SFP+ line card? (Choose two.)

- A. 10 x 10G muxponder client for 100G line card
- B. wire speed encryption
- C. 5 x 10G transponder
- D. dispersion compensation

Answer: A, C

Question: 29

Between which types of endpoint are optical channel client connections made?

- A. wavelength add/drop ports
- B. transponder client ports
- C. transponder trunk ports
- D. optical service channel ports

Answer: D

Question: 30

Which three types of performance monitoring data are available on transponders and muxponders? (Choose three.)

- A. optics
- B. utilization
- C. payload
- D. power consumption
- E. G.709
- F. distance

Answer: A, C, E

Question: 31

The 10G Wire Speed Encryption line card encrypts the payload of which protocol?

- A. Ethernet
- B. OTN
- C. IP
- D. SONET/SDH

Answer: B

Question: 32

In addition to encryption, which other operation does the 10G Wire Speed Encryption line card perform?

- A. OTN switching
- B. DWDM transponding
- C. SONET/SDH switching

- D. dispersion compensation

Answer: B

Question: 33

In Cisco Transport Controller, which type of user can provision all settings on the Wire Speed Encryption card?

- A. transport super user
- B. security super user
- C. security user
- D. transport user

Answer: B

Question: 34

Which three types of 100G client pluggable optics are supported on the NCS 2000? (Choose three.)

- A. CXP
- B. GBIC
- C. CPAK
- D. CFP
- E. XFP
- F. SFP

Answer: A, C, D

Question: 35

In which three configurations can NCS 2000 100G line cards be used? (Choose three.)

- A. muxponder trunk
- B. 10G transponder
- C. 100G regenerator
- D. 40G transponder
- E. 200G transponder
- F. 100G transponder

Answer: A, C, F

Question: 36

Which type of fiber connector does CXP optics use?

- A. 8-fiber MPO

- B. LC
- C. SC
- D. 24-fiber MPO

Answer: D

Question: 37

In which type of configuration are the MD-48 add/drop modules unusable?

- A. colorless
- B. omnidirectional
- C. 2-degree
- D. multidegree

Answer: A

Question: 38

How many ports does the 16-WXC-FS have for add/drop and degree expansion?

- A. 18
- B. 22
- C. 8
- D. 16
- E. 2

Answer: D

Question: 39

Which action does the MF-4x4-COFS module perform on the signals entering its add/drop ports?

- A. cross connects to specific COM-TX ports
- B. broadcasts to all COM-TX ports
- C. demultiplexes the individual wavelengths
- D. multiplexes the individual wavelengths

Answer: B

Question: 40

Which option describes the purpose of the USB ports on the external connection unit of the NCS 2006?

- A. to charge a USB powered device

- B. load software via a thumb drive
- C. inventory and monitoring of passive optical devices
- D. multishelf management

Answer: C

Question: 41

For which three functions are passive module USB ports used? (Choose three.)

- A. optical power monitoring
- B. wavelength provisioning
- C. port security
- D. lamp lighting for locating
- E. serial number for inventory
- F. cell phone charging

Answer: A, D, E

Question: 42

Which two characteristics of the NCS 2000 describe add/drop and express patch panels? (Choose two.)

- A. passive
- B. coherent
- C. modular
- D. high power

Answer: A, C

Question: 43

How many 50 GHz channels does the 16-WXC-FS support on each port?

- A. 96
- B. 88
- C. 80
- D. 40

Answer: A

Question: 44

Which type of connector is used on the 16-WXC-FS and associated mesh patch panels?

- A. LC

- B. SC
- C. MPO
- D. FC

Answer: C

Question: 45

Which type of architecture employs nLight ROADM?

- A. broadcast and select
- B. drop and continue
- C. route and select
- D. pass through and drop

Answer: C

Question: 46

What does the Functional View show in Cisco Transport Controller?

- A. power levels of each wavelength
- B. slot assignments of line cards in the chassis
- C. fiber interconnections between cards and nodes
- D. wavelength routing through the network

Answer: C

Question: 47

Colorless add/drop eliminates physical port dependency for which wavelength characteristic?

- A. bit rate
- B. direction
- C. protocol
- D. frequency

Answer: D

Question: 48

Which two options are the two basic building blocks of the mesh patch panel? (Choose two.)

- A. MF-MOD-DEG-5
- B. MF-1x16-COFS
- C. MF-4x4-COFS

D. MF-MOD-UPG-4

Answer: A, D

Question: 49

Which technology allows 100G transponders to accept multiple wavelengths at their input, without requiring demultiplexing of the composite signal?

- A. QPSK modulation
- B. forward error correction
- C. coherent reception
- D. dual polarization modulation

Answer: C

Question: 50

In a mesh ROADM node, how many degrees is an omnidirectional add/drop unit accessible from?

- A. 1 degree
- B. 4 degrees
- C. 16 degrees
- D. all degrees
- E. multidegrees

Answer: D

Question: 51

Which protocol encrypts the payload of the 10G Wire Speed Encryption line card?

- A. SONET/SDH
- B. Ethernet
- C. OTN
- D. IP

Answer: C