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Nokia 4A0-205: Nokia Optical Networking Fundamentals is an essential certification exam for individuals who want to establish a career in the telecommunications industry. Nokia Optical Networking Fundamentals certification is a testament to the candidate's proficiency in handling optical networking devices and protocols, making them a valuable asset to any organization. With its global recognition and accessibility, passing 4A0-205 Exam is an excellent opportunity for professionals to expand their knowledge and advance their careers in the telecommunications industry.

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Nokia 4A0-205 Latest Braindumps Files, Latest 4A0-205 Test Objectives

All of these prep formats pack numerous benefits necessary for optimal preparation. This Nokia Optical Networking Fundamentals (4A0-205) practice material contains actual Nokia Nokia Optical Networking Fundamentals Questions that invoke conceptual thinking. Actualtests4sure provides you with free-of-cost demo versions of the product so that you may check the validity and actuality of the Nokia 4A0-205 Dumps PDF before even buying it.

Nokia Optical Networking Fundamentals Sample Questions (Q35-Q40):

NEW QUESTION # 35
Which of the following statements about Wavelength Tracker monitoring points in CDC-F architecture is TRUE?

- A. Wavelength Tracker monitoring points are settled on IRDMxx line interfaces only.
- B. Wavelength Tracker monitoring points are settled on IRDMxx line interfaces and on CWR CLS interfaces.
- C. Wavelength Tracker monitoring points are settled on IRDMxx and OTs line interfaces.
- D. Wavelength Tracker monitoring points are settled on ITL mux interfaces and on OTs line interfaces.

Answer: B

Explanation:

Comprehensive and Detailed Explanation From Nokia Optical Networking Fundamentals:
In a CDC-F (Colorless, Directionless, Contentionless, Flex-grid) architecture, the placement of monitoring points is vital for end-to-end visibility of wavelengths. Nokia's Wavelength Tracker technology relies on these points to detect the unique "keys" or signatures associated with each wavelength. In a CDC-F node, the primary monitoring points are located on the IRDMxx (Intelligent Reconfigurable Demultiplexer/Mux) line interfaces and the CWR (Colorless Wavelength Router) CLS (Colorless) interfaces.
The IRDM monitoring points allow the system to verify the power and presence of wavelengths as they enter or leave the fiber spans (degrees). The CWR CLS monitoring points are critical because they provide visibility at the "Colorless" add/drop stage. By having monitoring at both locations, the WaveSuite Network Operations Center (WS-NOC) can pinpoint exactly where a signal loss or power degradation is occurring-whether it's in the external fiber plant or within the internal colorless switching fabric of the ROADM. This granular visibility is what allows Nokia's "Power Management" to automate balancing across complex mesh topologies.

NEW QUESTION # 36
What is the function of the express channel interface?

- A. It enables the high speed route for all channels passing through that interface.
- B. It drops high capacity channels in the local node.
- C. It passes all the channels not terminated in the local node through the downstream node.
- D. It enables the high speed route for all channels terminated in the local node.

Answer: C

Explanation:
Comprehensive and Detailed Explanation From Nokia Optical Networking Fundamentals:
In the context of WDM (Wavelength Division Multiplexing) node architecture, an express channel interface (often associated with OADMs or ROADMs) is specifically designed to handle "through" traffic. In a multi-node optical network, not every wavelength (channel) needs to be processed or terminated at every site it passes. To maintain signal integrity and reduce latency, these wavelengths are kept in the optical domain.
The express interface allows these optical channels-those not terminated or "dropped" at the local node-to bypass the local transponders and multiplexers, flowing directly to the downstream node. This photonic bypass avoids unnecessary O-E-O (Optical-Electrical-Optical) conversions, which would otherwise require expensive hardware and increase power consumption. By utilizing express paths, the Nokia 1830 PSS can scale to support massive core network capacities while ensuring that only the relevant traffic is diverted to the local client-facing ports.

NEW QUESTION # 37
How is it possible to check the activation status of GMRE on a node?

- A. The GMRE reachability can be tested via ping request from NFM-T
- B. The GMRE activation status is reflected on the color of the icon representing the node
- C. The GMRE activation status is reported in the supervision state column on the node list
- D. The ControlPlane status column on the node list displays the GMRE status for the selected node

Answer: C

Explanation:
The GMRE activation status is reported in the supervision state column on the node list. The supervision state column displays the GMRE status of the node, which is either "Activated" or "Not Activated". This allows the user to quickly check the GMRE activation status of a node without having to ping the node from the NFM-T platform.

NEW QUESTION # 38
How does a Raman pump work in the 1830 specific implementation?

- A. The pump light travels in the opposite direction of the signal to be amplified, amplifying it while it arrives from the adjacent node.
- B. As the incoming signal power increase, the gain of the amplifier is reduced.
- C. The amplification is done simultaneously for all channels as they enter the board.
- D. The pump light travels in the same direction of the signal, amplifying it while it flows in the fiber towards the following node.

Answer: A

Explanation:
In Raman amplification, a pump laser is used to excite the Raman-active molecules in the fiber, which then amplifies the signal light as it travels in the opposite direction. In the 1830 specific implementation, the pump laser is typically a high-power laser that is launched into the fiber in the opposite direction to the signal. The pump light interacts with the Raman-active molecules in the fiber, which then amplifies the signal light as it travels in the opposite direction. This allows the Raman pump to provide a gain that increases with distance, which can be used to compensate for the loss of signal power as it travels through the fiber.

NEW QUESTION # 39
Which application generates the commissioning file(s)?

- A. NSP
- B. NFM-T
- C. CPB
- D. EPT

Answer: C

Explanation:
The CPB (Commissioning Parameter Builder) application is used to generate the commissioning files for a Nokia 1830 Photonic Service Switch (PSS-1). The CPB application allows the user to create multiple commissioning files [1][2], which can be used to configure a variety of different features on the device. The CPB also allows users to view, edit and modify the commissioning files before they are uploaded to the device. The NSP (Network Service Platform) and EPT (Element Provisioning Tool) are used to manage the devices and network elements within the network, but do not generate commissioning files.

NEW QUESTION # 40
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