

# Free PDF Nokia - Perfect Valid Dumps 4A0-205 Files



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There are a lot of leading experts and professors in different field in our company. The first duty of these leading experts and professors is to compile the 4A0-205 exam questions. In order to meet the needs of all customers, the team of the experts in our company has done the research of the 4A0-205 Study Materials in the past years. And they have considered every detail of the 4A0-205 practice braindumps to be perfect. That is why our 4A0-205 learning guide enjoys the best quality in the market!

Nokia 4A0-205 exam covers a range of topics related to optical networking, including network architecture, transmission systems, wavelength division multiplexing (WDM), optical amplifiers, and more. 4A0-205 exam also covers advanced topics such as network planning, network management, and network security. By passing the Nokia 4A0-205 exam, you will have demonstrated your knowledge and skills in these areas.

Nokia 4A0-205 exam is ideal for individuals who want to improve their knowledge and skills in optical networking, especially those who are working in the telecommunications industry. Nokia Optical Networking Fundamentals certification exam is also suitable for network engineers, technical support professionals, and network designers who want to validate their skills in optical networking. 4A0-205 Exam is vendor-neutral, and it is recognized globally, making it a valuable certification for professionals who want to advance in their careers.

## Nokia 4A0-205 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• OTN hierarchy, trails, and services switching</li><li>• Network creation, analysis, and reporting</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• Foundation of survivability and availability</li><li>• Basics of Optical Network Design</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• Basics of the Network Management System</li><li>• Introduction to WDM networks</li></ul>

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## 4A0-205 Exam Blueprint | 4A0-205 Reliable Learning Materials

About the upcoming 4A0-205 exam, do you have mastered the key parts which the exam will test up to now? Everyone is conscious of the importance and only the smart one with smart way can make it. Maybe you are unfamiliar with our 4A0-205 Latest Material, but our 4A0-205 real questions are applicable to this exam with high passing rate up to 98 percent and over.

## Nokia Optical Networking Fundamentals Sample Questions (Q33-Q38):

### NEW QUESTION # 33

Which type of ports are present in the Colorless Wavelength Router (CWR)?

- A. DeMux ports
- **B. Colorless bi-directional ports**
- C. Colorless uni-directional ports only
- D. Black and white ports

**Answer: B**

Explanation:

Comprehensive and Detailed Explanation From Nokia Optical Networking Fundamentals:

In the Nokia 1830 PSS (Photonic Service Switch) architecture, the Colorless Wavelength Router (CWR) is a specialized module used within ROADM nodes to enable "colorless" add/drop capabilities. Traditional static multiplexers, like the SFD (Static Filter Device), use fixed-wavelength ports where a specific port is hard-wired to a specific frequency (color). In contrast, a CWR allows any wavelength to be added or dropped from any of its ports.

The ports on a CWR are bi-directional. This means that a single physical port on the CWR card handles both the transmit (Tx) and receive (Rx) paths for a specific wavelength, typically connecting to a transponder's line-side interface. This bi-directional design simplifies fiber management within the shelf and is a key requirement for the "Colorless" attribute of modern flexible grids. By utilizing CWR modules, operators can remotely retune a transponder to a different frequency without needing a technician to physically move fiber patches to a different port on a multiplexer, significantly increasing operational efficiency and reducing human error during service provisioning or restoration.

### NEW QUESTION # 34

Which mechanisms can be put in place to increase network survivability?

- A. Protection, where backup resources are allocated upon failure; or restoration, where each trail can be recovered thanks to a 1+1 protection mechanism
- B. Protection, where backup resources are allocated upon failure; or restoration, where backup resources are pre-allocated and reserved
- **C. Protection, where backup resources are pre-allocated and reserved; or restoration, where backup resources are allocated upon failure.**
- D. Protection, where backup resources are pre-allocated and reserved; or restoration, where each trail can be recovered thanks to a 1+1 protection mechanism

**Answer: C**

Explanation:

There are two main mechanisms that can be put in place to increase network survivability: protection and restoration. Protection involves pre-allocating and reserving backup resources so that they are ready in case of a failure. Restoration involves allocating backup resources upon failure and using a 1+1 protection mechanism to recover each trail. This ensures that the network is able to re-route traffic in the event of a failure, increasing the overall survivability of the network.

### NEW QUESTION # 35

How are the EPT systems related to NFM-T when CPB is performed?

- **A. The systems are displayed on the CPB panel and they can be individually selected**
- B. The systems are not reported on CPB, but only through the Equipment Manager
- C. The systems are displayed on the CPB panel, however they cannot be individually selected as they need to run all together
- D. The systems are not reported on CPB, as this is transparent to the user and the whole network is validated and provisioned in one step

**Answer: A**

Explanation:

The EPT systems are displayed on the CPB (Commissioning Parameter Builder) panel and they can be individually selected. This allows the user to configure the network elements in the network and provision them according to their specific requirements. The

systems are not reported on CPB, but through the Equipment Manager. The Equipment Manager is the interface used to configure the network elements and the EPT systems. The NFM-T is not related to the CPB and does not affect the CPB process.

### NEW QUESTION # 36

When monitoring the quality of the received signal in WDM, an open eye indicates:

- A. High distortion
- B. Presence of high inter-symbolic interference
- C. Low noise
- D. High jitter

**Answer: C**

Explanation:

An open eye pattern indicates that the signal is not affected by noise, and the received signal is of high quality. This is because an open eye pattern is the result of a signal that is aligned in time, and is not affected by noise or other distortions.

Reference:

"Optical Fiber Communications" by Gerd Keiser

"Fiber-Optic Communications Technology" by Djafar K. Mynbaev

"Optical Communications" by Gerd Keiser

### NEW QUESTION # 37

Which of the following is an example of optical protection mechanism?

- A. GMPLS-enabled SBR
- B. Optical regeneration (e.g., back-to-back regeneration)
- C. GR and SBR combined
- D. OSNCP (e.g., via Y-cable or OPS card)

**Answer: D**

Explanation:

It can be implemented through the use of a Y-cable or an optical protection switch (OPS) card, which allows for the switching of traffic to a secondary path in the event of a failure on the primary path. This type of protection is commonly used to protect against fiber cuts and other types of physical layer failures in the optical transport network.

### NEW QUESTION # 38

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