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Question 1

Question Type: MultipleChoice

Why is the Industrial Network Director (IND) a clear added value in OT applications?

Options:

- A- IND can provide asset visibility for Modbus, Profinet, and Bacnet automation devices.
- B- IND enables app hosting in field routers IR8XX.
- C- IND improves industrial asset visibility and network troubleshooting.
- D- IND can work as a universal SCADA for automation systems.

Answer:

С

Explanation:

The Industrial Network Director (IND) is particularly valuable in Operational Technology (OT) applications due to its ability to improve industrial asset visibility and network troubleshooting. IND is designed to manage and monitor industrial networks, helping OT

professionals gain comprehensive visibility into their network assets and streamlining the troubleshooting process. This capability enhances operational efficiency and minimizes downtime in industrial environments.

Reference: The role of IND in enhancing network management and troubleshooting in OT environments is highlighted in Cisco's documentation and marketing materials for IND, which emphasize its benefits in industrial settings.

Question 2

Question Type: MultipleChoice

Which Industrial Routing device is purpose-built for remote and mobile deployments such as first responders and mass transit vehicles?

Options:

- A-IG30R
- **B-** IR1800
- **C-** IR7200
- D- IR8100

Answer:

С

Explanation:

The Cisco Industrial Router 7200 (IR7200) series is purpose-built for remote and mobile deployments, making it well-suited for applications like first responders and mass transit vehicles. This device is designed to provide reliable, secure, and robust connectivity in mobile or remote settings, ensuring continuous communication and data transfer essential for critical operations in these environments.

Reference: The information is derived from Cisco's product literature on the IR7200, which specifies its capabilities and intended use cases, particularly emphasizing its suitability for challenging and mobile deployments.

Question 3

Question Type: MultipleChoice

Which feature of the warehouse connectivity solution results in significant operational cost savings?

Options:

- A- placement does not require air conditioning
- B- provides web server capabilities
- C- helps bridge adjacent networks
- D- performs data analysis

Answer:

Α

Explanation:

A significant operational cost saving in the warehouse connectivity solution comes from the fact that the placement of network equipment does not require air conditioning. This is particularly beneficial in large warehouse environments where the cost and logistics of cooling can be substantial. By eliminating the need for air conditioning for the network equipment, companies can significantly reduce operational expenses related to energy consumption and maintenance.

Reference: This benefit is based on the design and deployment strategies of industrial networking equipment that are optimized for environments with minimal infrastructural support, reducing overall operational costs.

Question 4

Question Type: MultipleChoice

Which two services are in IoT Operations Dashboard? (Choose two.)

Options:

- A- Edge Intelligence
- **B-** Cross Operational Viewer
- **C-** Industry Monitoring Insight
- **D-** Secure Equipment Access
- E- Network Troubleshoot Tool

Answer:

A, D

Explanation:

In the IoT Operations Dashboard, two of the services included are Edge Intelligence and Secure Equipment Access. Edge Intelligence allows for the management and processing of data at the edge, facilitating local decision-making and reducing latency. Secure Equipment Access provides secure remote access to devices, which is critical for maintaining security while managing devices from a central location.

Reference: These services are part of Cisco's IoT Operations Dashboard offerings, as detailed in Cisco's IoT solutions documentation, which highlights the integration of various services to manage and secure IoT deployments effectively.

Question 5

Question Type: MultipleChoice

What is the primary business outcome for an outdoor connectivity use case?

Options:

- A- improved safety by connecting surveillance cameras
- B- improved emergency services with onboard vehicle connectivity
- C- improved data offloading from machines
- D- improved operational efficiency via real-time process visibility

Answer:

D

Explanation:

The primary business outcome for outdoor connectivity use cases, such as in industrial sites or large outdoor facilities, is improved operational efficiency achieved through real-time process visibility. By enabling connectivity in outdoor environments, organizations can monitor processes in real-time, receive timely data, and make informed decisions that optimize operations and reduce downtime.

Reference: This conclusion is supported by the general benefits of IoT connectivity in enhancing visibility and control over operations in various industries, particularly in extensive outdoor settings.

Question 6

Question Type: MultipleChoice

What is a key benefit of the roadways connectivity solution?

Options:

A- protected against security risks and improved productivity

B- increased operational efficiency

- C- reduced costs and bridged gaps between IT and OT
- D- improved driver experience and safer roads

Answer:

D

Explanation:

A key benefit of the roadways connectivity solution is the improvement in driver experience and the enhancement of road safety. These solutions deploy various technologies like connected traffic systems, smart lighting, and more to provide real-time information, reduce accidents, and improve overall traffic flow, thereby significantly enhancing the safety and driving experience on the road.

Reference: This understanding is derived from Cisco's focus on IoT solutions for smart cities and transportation, which emphasize improving public safety and user experiences through advanced connectivity and smart infrastructure.

Question 7

Question Type: MultipleChoice

Which use case involves extending Intent-Based Networking to the Extended Enterprise?

Options:

- A- parking lot connectivity
- **B-** substation automation
- **C-** first-response vehicles
- D- oil and gas pipeline

Answer:

Α

Explanation:

Extending Intent-Based Networking (IBN) to the Extended Enterprise, particularly in use cases like parking lot connectivity, involves deploying advanced networking solutions that extend the intelligence and management capabilities of core networks to remote or outdoor environments. This application of IBN supports efficient connectivity and smarter management of resources in distributed locations such as parking lots.

Reference: This answer is based on the application of Cisco's IBN technologies, which are designed to extend robust network functionalities to edge and remote locations, enhancing connectivity and control.

Question 8

Question Type: N	MultipleChoice
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What are Cisco's full-stack sensors, LoRaWAN gateway, and dashboard solution called?

Options:

- A- Industry Monitoring Insight
- B- Sensor to Cloud Stack
- C- Industrial Asset Vision
- **D-** Complete Condition Visibility

Answer:

С

Explanation:

Cisco's full-stack sensors, LoRaWAN gateway, and dashboard solution are called 'Industrial Asset Vision.' This solution is designed to provide comprehensive monitoring and management of industrial assets through advanced sensors and connectivity technology, enabling enhanced visibility and control over industrial operations.

Reference: This information is detailed in Cisco's offerings for industrial IoT solutions, where Industrial Asset Vision plays a key role in asset management and operational efficiency.

Question 9

Question Type: MultipleChoice

What does Cisco Edge Intelligence provide?

Options:

- A- a dashboard for visualizing security vulnerabilities in the network
- B- a holistic solution for the delivery of IoT data to multi-cloud destinations
- C- the ability to configure industrial network devices quickly and easily
- D- low-latency wireless backhaul for mission-critical applications

Answer:

В

Explanation:

Cisco Edge Intelligence provides a holistic solution that simplifies the extraction, transformation, and delivery of data from IoT devices to various multi-cloud destinations. This platform enables organizations to effectively manage their IoT data at the edge, ensuring efficient data processing and transmission to the cloud, facilitating seamless integration with enterprise applications and analytics tools.

Reference: This response is based on Cisco's documentation on Edge Intelligence, which describes its capabilities to streamline the flow of data from edge devices to the cloud, enhancing IoT operations and cloud integration.

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