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**Question: 1**

What does the term FMS stand for in mining environments?

- A. Fleet Management System
- B. Freight Management Sorter
- C. Free Mainline Security
- D. For Master Support

**Answer: A**

Explanation:

**Question: 2**

Which IE switch is recommended for airport jetways?

- A. IE3000
- B. IE2000
- C. IE3400
- D. IE3200

**Answer: C**

Explanation:

<https://www.cisco.com/c/en/us/products/switches/catalyst-ie3400-rugged-series/index.html>

**Question: 3**

Which product series has ultra-high performance featuring enhanced security and available Cyber Vision for Industrial Control Systems visibility is SD-WAN and Edge compute enabled, is a Precision Timing Source and is Utility certified?

- A. IR1101
- B. IR1800 Rugged Series Routers
- C. Catalyst IR8100 Heavy Duty Series Routers
- D. Catalyst IR8300 Rugged Series

**Answer: D**

Explanation:

**Question: 4**

How do converged networks provide the most significant impact in a typical manufacturing factory?"

- A. reduced downtime
- B. plant safety
- C. machine safety
- D. better fleet operations

**Answer: A**

Explanation:

**Question: 5**

What are the main features required of an Industry 4.0 network-

- A. Safety and Profibus compatibility
- B. low latency cybersecurity. convergence
- C. standardization safety PLC compatibility
- D. safety IEC 61850 compatibility

**Answer: D**

Explanation:

**Question: 6**

How can issues with traffic safety and new connected vehicles be addressed?

- A. provide insight into the data generated from roadway sensors and devices
- B. converge multi-services network designed for resiliency and deployment and management at scale
- C. Cisco Validated Designs provide peace of mind and clear compliances
- D. zero trust model, increase visibility, segmenting traffic mitigate and threat protection end-to-end

**Answer: D**

Explanation:

**Question: 7**

Which technology is specifically recommended for ports?

- A. Embedded Service Switch
- B. Cisco Ultra-Reliable Wireless Backhaul
- C. LoRaWan
- D. CyberVision

**Answer: B**

Explanation:

**Question: 8**

In which two ways can roadway safety issues be addressed? (Choose two.)

- A. dynamic message sign automation
- B. vehicle weight assessment
- C. work zone protection
- D. workflow automation and enforcement

E. vehicle counting and classification

**Answer: C, E**

Explanation:

**Question: 9**

Which two functions describe the role of the IE5000 in the network hierarchy? (Choose two )

- A. The IE5000 series are ruggedized, rack mount highly secure and scalable switches for access layer deployments
- B. The IE5000 series are ruggedized. rack mount highly secure and scalable switches for aggregation layer deployments
- C. The IE5000 series are ruggedized. rack mount highly secure and scalable routers for aggregation layer deployments
- D. The IE5000 series are ruggedized. rack mount highly secure and scalable routers for distribution layer deployments
- E. The IE5000 series are ruggedized. rack mount highly secure and scalable switches for distribution layer deployments

**Answer: A, D**

Explanation:

**Question: 10**

Which sensor helps keep track of remote or mobile assets'

- A. AV 206 - Light level sensor
- B. AV 300 - Outdoor GPS sensor
- C. AV 205 - Water leak sensors
- D. AV 201 - Indoor Temp and humidity sensor

**Answer: A**

Explanation:

**Question: 11**

Which Oil and Gas segment focuses on the improvement of the digital retail customer experience?

- A. Downstream
- B. Substream
- C. Subprime
- D. Re-Stream

**Answer: A**

Explanation:

**Question: 12**

What are two ways CyberVision provides visibility and insights on industrial operations? (Choose two )

- A. provides management of conveyor operations
- B. monitors Automation Control Systems
- C. maps industrial zones and conduits
- D. conducts motion analytics in robotics operations
- E. detects changes in the control system

**Answer: A, E**

Explanation:

**Question: 13**

What are critical problems in utility operations?

- A. integration of renewable energy in the grid
- B. IT-OT convergence and automation
- C. workforce cost
- D. FLISR and VVO

**Answer: A**

Explanation:

**Question: 14**

What are three locations that Cisco Cyber Vision sensors can be deployed? (Choose three )

- A. IE3400 Switch
- B. IR1101 Router
- C. ISA 3000 Appliance
- D. PIX Firewall
- E. UCS Servers
- F. Catalyst 9300 Switch
- G. LoraWAN Gateway

**Answer: A, F, G**

Explanation:

**Question: 15**

How does Cisco Cyber Vision benefit Industrial Control Engineers?

- A. 100% visibility of assets and insights on industrial operations
- B. outsources plant operations to IT
- C. pushes security responsibility to the enterprise

D. allows security operations to be disconnected from operations

**Answer: A**

Explanation:

**Question: 16**

Which Cisco switch products are commonly deployed in roadside infrastructure solutions?

- A. Switch products should not be deployed because wireless access points are recommended
- B. IE3000 series switches
- C. IE2000 series switches
- D. IE5000 series switches

**Answer: D**

Explanation:

**Question: 17**

What is the encryption standard the CURWB networks meet?

- A. 50AES
- B. 40AES
- C. 128 AES
- D. 100 AES

**Answer: C**

Explanation:

**Question: 18**

How many DVDs can be leveraged in the utility network design?

- A. more than one
- B. one regarding Green Energy
- C. one regarding Generating Stations
- D. none

**Answer: A**

Explanation:

**Question: 19**

Which two scenarios are ideal for deploying Cisco Edge Intelligence? (Choose two )

- A. when data needs to be sent to multiple locations
- B. when user authentication is implemented centrally
- C. when OT Security is implemented centrally

- D. when single vendor out of the box edge experience is preferred
- E. when policy management is edge enabled

**Answer: B, C**

Explanation:

**Question: 20**

Which wireless AP is ideal for mining operations?

- A. AP1552
- B. MR86-HW
- C. AP8320
- D. IW6300

**Answer: B**

Explanation:

**Question: 21**

Which is the main differentiator for Cisco in Oil and Gas?

- A. end-to-end solution based on solid secure infrastructure
- B. product price effectiveness and compatibility with third-party solutions
- C. capability to send data in a multi-cloud environment leveraging field computing devices
- D. compatibility with a few automation standards

**Answer: C**

Explanation:

**Question: 22**

What is a key digitization outcome in manufacturing?

- A. faster product lifecycle
- B. better products
- C. regulatory compliance
- D. better connected communities

**Answer: A**

Explanation:

**Question: 23**

Which product provides reliable and resilient wireless solutions for mission-critical applications where signal strength can be challenging?

- A. Cisco's industrial wireless 3700 series access points

- B. Cisco's Ultra-Reliable Wireless Backhaul
- C. IC3000
- D. IW6300

**Answer: B**

Explanation:

**Question: 24**

Which functions does Cisco DNA-Center manage?

- A. policy provision, design assurance
- B. detect secure maintain view
- C. segment, deploy, integrate audit
- D. configure, secure, manage monitor

**Answer: A**

Explanation:

**Question: 25**

Which Cisco full-stack solution automates the collection and integration of non-critical operational data and provides asset location in Oil and Gas applications?

- A. Edge Intelligence
- B. Industrial Asset Vision
- C. IND
- D. FND

**Answer: B**

Explanation:

**Question: 26**

What Cisco solution provides customers with visibility and security (or their Industrial IoT network)?

- A. Cisco Cyber Vision
- B. Cisco Field Management Operations
- C. Cisco Edge Intelligence
- D. Cisco Industrial Asset Vision

**Answer: D**

Explanation:

**Question: 27**

What are the customer benefits of using Cisco Industrial Asset Vision?

- A. leverage Cisco sensors
- B. only to improve asset and facility monitoring
- C. ability to share data with other enterprise systems
- D. enhance efficiency and safety improve operational resiliency and protect investments

**Answer: B**

Explanation:

**Question: 28**

In which two critical areas does Cisco's advanced roadside intelligence provide incremental value to customers in the transportation industry? (Choose two )

- A. consolidate infrastructure for other public services and commercial companies
- B. improved throughput for cellular backhaul
- C. improved road user safety
- D. dynamic event detection notification and response
- E. positioning of vehicle charging stations

**Answer: B, C**

Explanation:

**Question: 29**

Which industrial network switches are ideal for monitoring equipment within mining operations?

- A. MerakiMS125-48
- B. Catalyst 9300
- C. IE1000
- D. Catalyst IE3400

**Answer: A**

Explanation:

**Question: 30**

How can an engineer maximize plant uptime?

- A. improve fault isolation and troubleshooting time
- B. standardize industrial enterprise
- C. use architectures based on products with high MTBF
- D. implement an architecture based on CPWE

**Answer: D**

Explanation:

**Question: 31**

What are the benefits of integrating DER applications'?

- A. Volt/VAR optimization
- B. meter read accuracy and efficiency
- C. predictive and preventive maintenance of the transformers
- D. reliability and efficiency obtained through a dynamic DER

**Answer: A**

Explanation:

**Question: 32**

Which mining persona is most responsible for worker safety environmental incidents and minimizing COST to mine?

- A. Director of Risk
- B. Director of Operations
- C. Head of Engineering
- D. Director of Networking

**Answer: B**

Explanation:

**Question: 33**

Which Cisco full-stack solution is used for asset visibility within mining operations?

- A. GMM
- B. Kinetic
- C. Industrial Asset Vision
- D. IND

**Answer: C**

Explanation:

**Question: 34**

What are primary customer concerns in Oil and Gas?

- A. having all the automation gear compatible with automation protocols and maintaining OEE
- B. wasting time in manual diagnostics and providing cybersecurity
- C. implementing field protocols and providing Profinet compatibility
- D. saving money on automation devices and installing protection grade cabinets

**Answer: A**

Explanation:

**Question: 35**

What are two functions of the Cisco vManage Control Center? (Choose two.)

- A. Secure Remote Access
- B. Analytics and Assurance
- C. Active/Active WAN
- D. OT centric workflow for mass deployment
- E. Simple Scalable Policy Distribution

**Answer: A, D**

Explanation:

**Question: 36**

How can threats in surface areas be reduced?

- A. effective network segmentation
- B. flat networks
- C. device visibility
- D. scalability

**Answer: B**

Explanation:

**Question: 37**

Which two displays are included in the IoT Operations Dashboard? (Choose two )

- A. destination mapping
- B. asset connectivity
- C. agent mapping
- D. data policy deployment status
- E. transformation parameters

**Answer: B, D**

Explanation:

**Question: 38**

Which technologies are enabled by a wireless Industry 4.0 network?

- A. cybersecurity and distributed I/O

- B. wireless tooling and IP67 protection grade
- C. remote expert and AGV
- D. CVD and Devnet

**Answer: A**

Explanation:

**Question: 39**

What does Volt/Var Control and Optimization manage?

- A. Fault Location Isolation
- B. voltage levels and power quality
- C. compliance regulatory
- D. service restoration

**Answer: B**

Explanation:

**Question: 40**

What acts as a gateway between the wireless network and the wired core network?

- A. Mesh Point
- B. Mesh End
- C. Mesh ID
- D. End Node

**Answer: D**

Explanation:

**Question: 41**

Why is the DNA License included in the airport BOM?

- A. to implement network-wide policies that communicate crucial information quickly and accurately
- B. to increase visibility across the entire network
- C. to implement expansion projects at airport locations
- D. to extend IBN to the edge

**Answer: D**

Explanation:

**Question: 42**

What is a midstream segment of the Oil and Gas industry?

- A. storage and transportation
- B. refining and processing
- C. creating pipelines
- D. marketing

**Answer: B**

Explanation:

**Question: 43**

Why is it essential for Cisco Cyber Vision Sensors to be embedded in the network infrastructure?

- A. to enable out of band network
- B. to enable visibility to all network devices and communications
- C. to control cost
- D. to provide visibility to the network only when going through the DMZ firewall

**Answer: D**

Explanation:

**Question: 44**

What is the ideal way to manage roadway infrastructure for cellular backhaul customers?

- A. DevNet
- B. Cisco DNA Center
- C. IoT Operation Dashboard
- D. IoT Operations Dashboard in combination with Cisco DNA Center

**Answer: B**

Explanation:

**Question: 45**

Which Cisco Industrial Hardware is used for SPAN to support a brownfield Cyber Vision installation?

- A. ISA3000
- B. IC3000
- C. IR809
- D. ASA9000

**Answer: B**

Explanation:

**Question: 46**

Which products should an engineer leverage to implement a complete cybersecurity solution in secondary

substations'?

- A. hardware (IR1101) and software (Cyber Vision)
- B. hardware (ISA3000) and software (FND)
- C. hardware (IW6300) and software (IND)
- D. hardware (ISA3000) and software (Cyber Vision)

**Answer: D**

Explanation:

**Question: 47**

Which program enables partners to embed Cisco boards, software or hardware products into purpose-built equipment and solutions?

- A. IoT Ignite
- B. Design-In
- C. DevNet
- D. Migration Incentive

**Answer: D**

Explanation:

**Question: 48**

What is the benefit of deploying the Extended Enterprise CVD to provide scalable and repeatable operations across the entire enterprise with Cisco DNA Center?

- A. User Authentication
- B. Scalability
- C. Guided Remediation
- D. Security

**Answer: B**

Explanation:

**Question: 49**

What are the steps to engage customers to develop IoT opportunities?

- A. design in with OT vendors build full-stack solutions, extend the enterprise
- B. standardize industrial and enterprise networks simplify sales plays, accelerate integrations
- C. create a foundation with IBN extend relevance with cybersecurity, engage with edge data
- D. leverage CVDs, connect all assets on the network, use data to drive business outcomes

**Answer: B**

Explanation:

**Question: 50**

Which cloud-managed platform enables IT and OT to deploy devices monitor them and gain actionable insights on their business'?

- A. Edge Intelligence
- B. Industrial Asset Vision
- C. IoT Operations Dashboard
- D. Industrial Connectivity Dashboard

**Answer: D**

Explanation: