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QUESTION 1

Your company, Certkiller , has given you a project to implement an RFID based tracking system for a shopping center. The RFID system would be implemented for dock doors along with an active light based alert system. The light based alert system triggers an alarm when a dock door interrogator experiences a problem. What should you do?

A. Implement interrogators with dedicated I/O ports that are designed to add light-sensitive enunciators.
B. Installation of light-sensitive enunciators on the applications in the host RFID system.
C. Implement light-sensitive tags with dedicated I/O ports.
D. Installation of light-sensitive enunciators on the middleware in the host RFID system.

Answer: A

Explanation:
Using interrogators with dedicated I/O ports that are designed to add light-sensitive enunciators will provide illumination for reading and viewing objects in low-light situations.

QUESTION 2

You are implementing and RFID system for animal identification for a dairy farm. To enable support for the anti-collision algorithm you require interrogators with frequencies below 135 KHz frequency. These interrogators comply with which air-interface standards?

A. ISO/IEC 18000-2:2004
B. ISO/IEC 18000-3:2004
C. ISO/IEC 18000-4:2004
D. ISO/IEC 18000-6:2004

Answer: A

Explanation:
ISO/IEC 18000-2:2004 defines the air interface for radio-frequency identification (RFID) devices operating below 135 kHz used in item management
Reference:www.rfidaa.org/standards

QUESTION 3

Certkiller is using wired RFID interrogators to read tags attached to clothing. Certkiller had plans to upgrade RFID interrogators based on wireless-based technology to communicate with other RFID devices and hosts. What wireless protocols you would need to enable the RFID interrogators to communicate with other RFID devices and hosts?

A. ZigBee
B. RS 485
C. Bluetooth
D. RS 422

Answer: A, C

Explanation:
Option A and C are correct choice. RS 485 and Bluetooth both wireless either of them could be used to enable RFID interrogators to communicate with other RFID devices and hosts. RS-422 wiring refers to cable and ZigBee(r) is a low-power, short-distance wireless standard.
Reference: CompTIA RFID+ Exam RFO-001 Study guide from syngress

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QUESTION 4
A manufacturing facility is using an RFID system that consists of three conveyors that are set up adjacent to each other and separated by a shield. Each conveyor system uses four antennas. You are experiencing some problem in reading tags; investigation revealed that several tags are not read by the system. The antenna orientation and read range is working fine and system shielding is also implemented successfully. What should you do to ensure that all the tags are read successfully?

A. Increase the power of the antennas.
B. Optimize the speed of the conveyor belt.
C. Remove the RFID shielding equipment.
D. Install more antennas.

Answer: B

Explanation:
A reader in a single read cycle due to interference and other factors sometime cannot identify all tags. Optimizing speed of conveyor belt will ensure enough time for interrogators to read the tags.
Reference: CompTIA RFID+ Exam RFO-001 Study guide from syngress

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QUESTION 5
In what specific scenarios are RFID interrogators used?

A. When it is either impossible or inconvenient to move items to the interrogator.
B. When the tags to be read are in motion.
C. When you want to use barcode interrogators as RFID interrogators.
D. When tags are orientated on top of the items.

Answer: A

Explanation:

RFID interrogators are used when it is impossible to move items to the interrogator. Interrogators are like a middle agent who collect information from the host computer and send it to the tag in their interrogation zone. The host computer cannot be moved or placed somewhere near the tags. It is also inconvenient for the tags to move near to the host computer to communicate. So interrogators are used to help the computer communicates with the tags.
Reference: CompTIA RFID+ Exam RFO-001 Study guide from syngress

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QUESTION 6
What components of an RFID system provide centralized control for RFID software components and are compatible with a wide range of enterprise applications?

A. Edge interface
B. Middleware
C. Enterprise back-end interface
D. Enterprise back-end

Answer: B

Explanation:
Middleware is a data collection component. Middleware connects the data coming into a reader to the client's host software systems. Elements of middleware comprise of read and device management, data management, application integration and partner integration.
Reference:
www.dummies.com/WileyCDA/DummiesArticle/Examining-the-Elements-of-a-Basic-RFID-System.id-2990.htm

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QUESTION 7
An RFID system is implemented in a manufacturing unit. It uses an anti-collision method in which each interrogator transmits a query to a specific tag using the unique ID (UID) number of that tag. Which anti-collision protocol is used to implement this anti-collision method?

A. Aloha
B. Adaptive binary tree
C. Q
D. Digital cipher

Answer: B

Explanation:
In Adaptive binary tree scheme the tags are required to manage a counter and have a random number generator. The colliding tags are split according to a number that they randomly select. The tags that select 0 transmit their ID's to the interrogator. If multiple tags select 0 and respond, the interrogator keeps walking down the tree until only one tag

responds. When that happens the interrogator establishes communication with that tag to get the required information.
Reference: CompTIA RFID+ Exam RFO-001 Study guide from syngress

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QUESTION 8
Your company, Certkiller , has given you a project to implement an RFID based tracking system in a facility. While implementing RFID system, you plan to deploy interrogators with upgradeable firmware. Which statement is NOT true for interrogators with upgradeable firmware?

A. Interrogators with upgradeable firmware have the capability to add future enhancements.
B. Interrogators with upgradeable firmware are cost effective.
C. Interrogators with upgradeable firmware are used to conform to either regulatory or legal bodies.
D. Interrogators with upgradeable firmware have the capability to fix bugs in existing firmware.

Answer: C

Explanation:
Option C, upgradeable firmware, is not anyway linked to conforming to any standards regulatory, legal or any other. The basic purpose is to ensure compatibility and fix bugs in any existing version of firmware or support a new feature.
Reference: CompTIA RFID+ Exam RFO-001 Study guide from syngress

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QUESTION 9
Your company, Certkiller , has given you a project to implement an RFID based tracking system in a food processing company. You had plans to deploy interrogators at various dock doors in the facility; the tagged food products will be transported through these dock doors. NEMA 4 enclosures would be used for the interrogators. What is the advantage of using NEMA 4 enclosures?

A. Increased tag read rate
B. Protection from dust and water
C. Data security
D. Increased read range

Answer: B

Explanation:
NEMA 4 - Type 4 enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, and hose-directed water; and to be undamaged by the formation of ice on the enclosure.
Reference: www.stealthcomputer.com/faq_technology.htm

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and many others.. See complete list Here