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For the office workers, they are both busy in their job and their family life; for the students, they possibly have to learn or do other things. Our CDCS exam questions are aimed to help them who don't have enough time to prepare their exam to save their time and energy, and they can spare time to do other things when they prepare the exam. You only need 20-30 hours to practice our software materials and then you can attend the exam. It costs you little time and energy. The CDCS Exam Questions are easy to be mastered and simplified the content of important information. The EXIN EPI Certified Data Centre Specialist test guide conveys more important information with amount of answers and questions, thus the learning for the examinee is easy and highly efficient.

EXIN CDCS Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Designing and Implementing a Data Centre: In this module, the exam assesses the knowledge of Exin data center professionals tasked with the design and implementation of data centers. Candidates will learn the key principles of creating an efficient data center layout, including considerations for scalability, redundancy, and security.
Topic 2	<ul style="list-style-type: none">• Data Centre Environmental Considerations and Efficiency: This section evaluates the proficiency of data center professionals in addressing environmental factors and promoting efficiency within data center operations. The target audience, including data center managers and engineers, will be tested on their ability to identify and implement measures that enhance energy efficiency, cooling management, and sustainable practices.
Topic 3	<ul style="list-style-type: none">• Data Centre Life Cycle and Standards: This section of the exam measures the skills of data center professionals and covers the various stages involved in the life cycle of a data center, from planning and design to implementation and decommissioning.

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EXIN EPI Certified Data Centre Specialist Sample Questions (Q49-Q54):

NEW QUESTION # 49

When shielding material reaches its saturation point, what will be the impact?

- A. The shielding material will increase its permeability factor.
- B. The shielding material will reach its maximum electrically charged state.
- **C. The shielding material will no longer be able to attenuate (reduce) additional EMF.**
- D. The shielding material will reach its optimal shielding performance state.

Answer: C

Explanation:

When shielding material reaches its saturation point, it can no longer effectively attenuate additional EMF. At saturation, the material's ability to absorb or redirect magnetic fields is exhausted, meaning it cannot provide further shielding beyond this point. Additional EMF exposure would pass through the material without significant reduction.

Detailed Explanation:

Saturation occurs when the material's magnetic domains are fully aligned with the magnetic field, leaving no capacity to absorb or deflect further EMF. This can happen with high EMF levels, beyond the material's design limits, resulting in a breakdown of shielding effectiveness.

EPI Data Center Specialist References:

EPI guidelines on EMF management indicate that selecting appropriate shielding materials with sufficient capacity is essential to prevent saturation and ensure continuous protection. Saturation limits should be considered during design to avoid compromised shielding performance.

NEW QUESTION # 50

You are changing the design of the fire suppression system for your computer room from a halocarbon fire suppression system into an inert-based fire suppression system. Could you use the same formula to calculate the gas content for the gas?

- **A. No, there is a significant difference in the formula for the different types of fire suppression gases.**
- B. Yes, as long as you use the same units of measure, i.e., kg/m³ or lbs/ft³.
- C. Yes, as long as you take the difference between the net and gross volume into account.
- D. Yes, as long as you change the 'S' factor of the formula to reflect the gas type used.

Answer: A

Explanation:

The formula used to calculate the gas content differs significantly between halocarbon and inert-based fire suppression systems. Halocarbon systems function by absorbing heat, while inert systems work by reducing oxygen levels. Due to these differences in fire suppression mechanisms, distinct formulas are applied, factoring in the specific properties of each gas type and the required concentration levels.

Detailed Explanation:

Halocarbon systems like FM200 require a formula that accounts for the concentration needed for cooling, while inert gases like nitrogen or argon need a formula that calculates the volume based on oxygen displacement. As the design concentration and characteristics of these gases differ, it's essential to use the correct formula specific to the gas type.

EPI Data Center Specialist References:

EPI recommends consulting the specific design requirements and formulas provided by each gas manufacturer when switching fire suppression systems to ensure the correct amount of gas is deployed for effective fire suppression.

NEW QUESTION # 51

You are allowed to use a calculator for this question. A battery bank is rated at a total capacity of 600 Ah. Calculate how much charging current the rectifier should be able to supply as charging current.

- A. 80 Amperes
- **B. 30 Amperes**
- C. 12 Amperes
- D. 60 Amperes

Answer: B

Explanation:

To determine the charging current for a battery bank, a general rule of thumb is that the charging current should be 5% of the total battery capacity. For a battery rated at 600 Ah, this calculation would be:

$600 \text{ Ah} \times 0.05 = 30 \text{ Amperes}$ This ensures the battery is charged efficiently without overloading the rectifier or risking battery damage.

Detailed Explanation:

Battery charging current is typically set as a percentage of the battery's capacity to balance effective charging with longevity and safety. A 5% charging rate is standard for lead-acid batteries, which would be 30 Amperes for a 600 Ah battery bank.

EPI Data Center Specialist References:

EPI standards recommend calculating charging currents based on a percentage of the battery capacity to ensure safety and efficiency, aligning with best practices for battery management in data centers.

NEW QUESTION # 52

A computer room is fitted with a hypoxic-based fire suppression system. On what principle does it work?

- A. It uses water as an extinguisher
- **B. It lowers the oxygen levels in the room**
- C. It removes the fuel from the fire
- D. It removes the heat from the fire

Answer: B

Explanation:

Hypoxic air systems continuously reduce the oxygen concentration in the protected area to below the level required for combustion (typically 15-16%), while still remaining safe for human occupancy (>14%). By lowering oxygen concentration, ignition and flame propagation are prevented.

This is different from halocarbon or inert-gas clean agents, which flood the room only upon detection of fire.

Hypoxic systems are preventive, creating a permanent fire-retardant environment.

They do not remove heat (A), fuel (C), or use water (D). Their key mechanism is oxygen displacement.

References: ISO 20338 (Oxygen Reduction Systems), NFPA 770 (Standard on Hybrid Fire Extinguishing Systems).

NEW QUESTION # 53

The noise levels in the data center are approximately 91 dB (A).

Do employers need to take precautions?

- A. As long as the data is compliant to ISO/IEC 27001 it is acceptable.
- B. There are no regulations regarding noise levels inside a building. Regulations only apply to noise pollution outside of the building.
- C. No, anything less than 100 dB (A) is acceptable.
- **D. Yes, since it is mandated by regulations.**

Answer: D

Explanation:

In a data center with noise levels of 91 dB (A), employers are indeed required to take precautions to protect personnel, as this level exceeds commonly accepted safety thresholds for occupational noise exposure. Regulations, such as those from the Occupational Safety and Health Administration (OSHA) or similar agencies, mandate specific controls and protections for environments with high noise levels.

Detailed Explanation:

Noise levels above 85 dB (A) typically trigger requirements for hearing conservation programs. At 91 dB (A), steps like providing ear protection, conducting regular noise assessments, and possibly implementing engineering controls to reduce noise should be taken. Extended exposure to such levels can lead to hearing loss, so regulatory compliance ensures both immediate and long-term protection for personnel.

EPI Data Center Specialist References:

EPI guidelines for data center safety address noise exposure as part of the environmental safety measures. EPI recommends adhering to local occupational health regulations, as excessive noise can harm personnel and affect operational efficiency due to potential health hazards.

NEW QUESTION # 54

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