EXIN EPI Certified Data Centre Specialist updated training vce & CDCS free demo & EXIN EPI Certified Data Centre Specialist valid torrent

Exam CDCS tests your professional talent and expertise. This is the reason that passing this EPI Data Centre certification exam has been a tough challenge for professionals. But it is made easy now to ace it! The recently developed Dumpleader's CDCS Exam Questions dumps aim at to deliver you the shortest possible route to obtaining CDCS without any chance of losing the exam.

EXIN CDCS Exam Syllabus Topics:

Topic	Details
Topic 1	• 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 2	• 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.

Topic 3	• 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.

Major Formats of EXIN CDCS Exam Questions

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EXIN EPI Certified Data Centre Specialist Sample Questions (Q105-Q110):

NEW QUESTION # 105
A computer room needs to be fitted out with a gas-based fire suppression system. The computer room will be a high-density data center with about 30% of the racks being closed circuit cooling blade-center racks.
Should the supplier of the fire suppression system be informed on the design of the racks?

- A. Yes, the design of the racks has an influence on the fire suppression system design.
- B. Only when the racks might block access to the fire panel.
- C. No, cooling and design of racks have no influence on the fire suppression system design.
- D. Only when the rack height obstructs a potential fire suppression release point.

Answer: A

Explanation:
The design and configuration of racks, particularly high-density and closed-circuit cooling racks, directly impact the fire suppression system design. Closed-circuit cooling racks, like blade-center racks, can affect airflow and potentially trap heat, influencing how fire suppression agents are distributed within the space. Therefore, it is essential to inform the fire suppression system supplier about the rack design to ensure effective coverage and proper agent distribution.
Detailed Explanation:
High-density racks can change how smoke and heat travel, which in turn affects fire detection and suppression. Closed racks with built-in cooling can isolate airflow, requiring adjustments in fire suppression design to ensure that suppression agents reach all necessary areas, including within enclosed spaces. The supplier may need to account for these factors to ensure proper protection coverage.
EPI Data Center Specialist References:
The EPI Data Center Specialist training underscores that fire suppression systems must be tailored to the specific environmental characteristics of the data center. The design of racks, particularly high-density configurations, should always be considered to ensure that suppression agents can effectively control a fire, even in contained rack spaces.

NEW QUESTION # 106
Management requests a 15-minute battery bank at full UPS load. UPS specs:
* 30 kVA, PF 0.8
* Battery 384 V (192 cells), end discharge 308 V
* Inverter PF 0.8, 400 V output
What information is missing to perform the calculation?

- A. UPS efficiency
- B. Available battery charging current
- C. Load imbalance
- D. Inverter efficiency / output PF

Answer: A

Explanation:
Battery sizing requires determining the real power demand of the UPS. With 30 kVA at 0.8 PF, the real load is 24 kW. To calculate required ampere-hours for 15 minutes of runtime, we need:
Where P = load, t = runtime, V = battery voltage, and # = UPS efficiency.
Without UPS efficiency, we cannot know actual DC load on the batteries. A UPS with 90% efficiency will require more battery capacity than one with 95%. None of the other listed parameters (PF, imbalance, charging current) are critical for runtime capacity calculation.
References: IEEE Std 1188 (VRLA Batteries), IEC 62040-3 (UPS performance), ANSI/TIA-942-B §6.2.

NEW QUESTION # 107
What precaution shall be taken for cabling leading into an equipment rack when a data center is in a seismic- prone area?

- A. Cables should be loosely organized to allow for movement and be latched at the connectors.
- B. Cables should be replaced by busbar trunking.
- C. Cables shall be tightly organized to the rack and trays to avoid movement.
- D. Cables can be organized in any way as it is not important.

Answer: C

Explanation:
In seismic-prone areas, cables should be tightly secured to racks and cable trays to minimize movement during seismic activity. Properly securing the cables prevents them from being damaged due to excessive motion, which could lead to outages or damage to connected equipment.
Detailed Explanation:
Loose cables can be vulnerable to shaking or sudden jolts during an earthquake, increasing the risk of disconnection or damage. By tightly organizing and securing cables, you ensure they remain in place, even during significant movement, thereby maintaining connection integrity and reducing the risk of physical damage.
EPI Data Center Specialist References:
EPI training includes considerations for data centers in seismic zones, advising that cables be firmly anchored to support structures to reduce movement and mitigate potential damage during seismic events.

NEW QUESTION # 108
Which formula is correct?

- A. Phase-to-Neutral Voltage = Phase-to-Phase voltage /1.732
- B. Phase-to-Neutral Voltage = Phase-to-Neutral voltage * 1.732
- C. Phase-to-Neutral Voltage = (Phase-to-Phase voltage * 1.732) / Phase-to-Neutral Voltage
- D. Phase-to-Neutral Voltage = Phase-to-Phase voltage * 1.732

Answer: A

Explanation:
The correct formula for calculating Phase-to-Neutral Voltage in a three-phase power system is Phase-to-Neutral Voltage = Phase-to-Phase Voltage / 1.732. This formula applies to balanced three-phase systems, where 1.732 (or $\sqrt{3}$) represents the relationship between line-to-line and line-to-neutral voltages.
Detailed Explanation:
In three-phase systems, Phase-to-Phase Voltage is higher than Phase-to-Neutral Voltage by a factor of $\sqrt{3}$. Dividing the phase-to-phase voltage by 1.732 gives the phase-to-neutral voltage, which is critical for understanding power distribution in three-phase electrical systems commonly found in data centers.
EPI Data Center Specialist References:
EPI electrical training highlights the importance of knowing these calculations for designing and maintaining balanced power systems, which are essential for stable and efficient data center operations.

NEW QUESTION # 109
The noise levels in the data center are approximately 91 dB (A).
Do employers need to take precautions?

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

Answer: C

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 # 110
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