

# CDCS Test Assessment | Braindumps CDCS Downloads



## Introduction

With few exceptions, enterprises today rely on IT for the delivery of business-critical services - often directly to the end consumer. It is therefore vital that the mission-critical data centre is designed, maintained and operated with high-availability and efficiency in mind. However, the fact is most data centres do not meet the full availability, capacity, safety or efficiency requirements that are often demanded.

The Certified Data Centre Specialist is a three-day course designed to bring participants to the level of a suitable sparring partner with suppliers. They will be able to verify offers provided by vendors for correctness, effectiveness and efficiency. CDCS\* is a must-have certification for professional data centre managers and personnel. CDCS\* is a pre-requisite for individuals wishing to achieve the elite CDCE\* (Certified Data Centre Expert) status.

## Roadmap



## Audience

The primary audience for this course is an IT, facilities or data centre operations professional working in and around the data centre and having the responsibility to achieve and improve high-availability and manageability of the data centre.

## Prerequisites

Participants must hold a valid CDCP\* certificate in order to be able to register for the CDCS\* class.

## Global Accreditation & Recognition



## Course Benefits

After completion of the course the participant will be able to:

- ☑ Understand the design life cycle of data centres and the stages involved
- ☑ Discuss the data centre requirements in great level of detail with vendors, suppliers and contractors to ensure that these requirements are met
- ☑ Validate design plans, quotes and offers proposed by vendors/contractors
- ☑ Understand redundancy levels for both the data centre design/setup and maintenance
- ☑ Understand the various building considerations such as bullet proofing, mitigation of seismic activity, fire ratings and thermal stability
- ☑ Understand how to install a raised floor that meets requirements, avoiding misalignment, level differences and leakage
- ☑ Understand how to read a Single Line Electrical Diagram to identify and avoid the most common design issues
- ☑ Choose the correct UPS and parallel configuration, learn and avoid classic parallel installation mistakes
- ☑ Understand how to calculate battery banks, validate offered configurations to ensure they meet requirements
- ☑ Understand what distance to keep to avoid EMF issues for human safety and equipment disturbances
- ☑ Understand the fundamental cooling setup, CFM, Delta-T and other important factors
- ☑ Understand contamination factors and limitations
- ☑ Understand full details of fire suppression options, how to calculate gas content and verify installations
- ☑ Understand how to measure data centre energy efficiency and how to improve it

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It is universally accepted that in this competitive society in order to get a good job we have no choice but to improve our own capacity and explore our potential constantly, and try our best to get the related CDCS certification is the best way to show our professional ability, however, the exam is hard nut to crack and there are so many CDCS Preparation questions related to the exam, it seems impossible for us to systematize all of the key points needed for the exam by ourselves.

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can make it better. With our CDCS learning guide, you will be bound to pass the exam.

## EXIN CDCS Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>• <b>Data Centre Environmental Considerations and Efficiency:</b> 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.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>• <b>Data Centre Life Cycle and Standards:</b> 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.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>• <b>Designing and Implementing a Data Centre:</b> 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.</li></ul>

## EXIN EPI Certified Data Centre Specialist Sample Questions (Q90-Q95):

### NEW QUESTION # 90

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

$600 \text{ Ah} \times 0.05 = 30 \text{ Amperes}$   
 $600 \text{ Ah} \times 0.05 = 30 \text{ Amperes}$  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 # 91

Can you install a raised floor tight to the perimeter of the room?

- A. No, but this applies only to raised floors with a height of over 90 cm (3 ft)
- **B. No, to avoid damage to the raised floor due to building and hygrothermal movement**
- C. Yes, but only if the data center is located in Zone 0 with no or little seismic activity
- D. Yes, a raised floor needs to be installed tight to the perimeter to prevent air leakage

**Answer: B**

Explanation:

Raised floors must not be installed flush against perimeter walls. Buildings expand, contract, and shift due to thermal expansion

(hygrothermal movement), structural settlement, and seismic activity. If the raised floor is rigidly connected to the walls, this movement transfers directly into the raised floor grid, causing buckling, cracking, or tile misalignment.

Industry standards (e.g., Cisca - Ceilings & Interior Systems Construction Association guidelines) require leaving a small perimeter gap (typically 1-2 cm) between raised floor tiles and walls. This gap is then sealed with flexible firestops or brush gaskets to control air leakage while preserving movement tolerance.

Therefore, the correct practice is to leave a separation space, making answer C correct. Options A and D restrict this requirement incorrectly, while B is factually wrong (sealing against the perimeter is not allowed).

References: Cisca Raised Floor Installation Guidelines, ANSI/TIA-942-B §6.3 (Flooring and Seismic Considerations).

#### NEW QUESTION # 92

A data center scores Rated-3 in mechanical, Rated-4 in electrical, and Rated-2 in telecommunications. What is the overall rating?

- A. Depends on architectural rating
- B. Rated-4 since electrical is most important
- C. Rated-4
- D. Rated-2

**Answer: D**

Explanation:

ANSI/TIA-942 defines that the lowest rating across all four categories determines the overall facility rating. A facility cannot claim a higher overall level unless all subsystems meet or exceed that level.

In this case:

\* Mechanical = Rated-3

\* Electrical = Rated-4

\* Telecommunications = Rated-2

Since telecommunications only meets Rated-2, the overall facility is Rated-2, regardless of higher scores elsewhere.

This ensures that weak areas (like cabling) are not ignored, because they can compromise overall availability.

References: ANSI/TIA-942-B §5.2.3 (Overall rating determination).

#### NEW QUESTION # 93

The building in which the computer room is housed is required to have a sprinkler system. The building is therefore equipped with a wet pipe system.

What action, if any, should you recommend for the computer room?

- A. Maintain the current wet pipe system.
- B. Replace the wet pipe system with a deluge system.
- C. Replace the wet pipe system with a dry pipe system.
- D. Replace the wet pipe system with a pre-action system.

**Answer: D**

Explanation:

In computer rooms, replacing a wet pipe system with a pre-action system is advisable. Pre-action systems provide additional protection by requiring two triggers (e.g., heat and smoke) before water is released, minimizing the risk of accidental discharge and water damage, which is crucial for safeguarding sensitive IT equipment.

Detailed Explanation:

Wet pipe systems contain water in the pipes at all times, which poses a higher risk of accidental discharge.

Pre-action systems, however, only fill the pipes with water upon detection of a fire, reducing the risk of water-related damage due to leaks or malfunctions. This approach is considered best practice for environments housing sensitive electronic equipment.

EPI Data Center Specialist References:

EPI advises using pre-action fire suppression in data centers to reduce risks associated with accidental water release, providing a safer and more controlled fire response that better protects critical infrastructure.

#### NEW QUESTION # 94

A computer room with a raised floor has been designed with racks in a hot/cold aisle setup.

What should you recommend for the placement of down-flow air conditioners?



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