

# **Exin DCFC**

## **EXIN EPI Data Centre Foundation Certificate**

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### QUESTION: 1

What is the primary objective of a Disaster Recovery Plan (DRP) in the context of data center operations?

- Option A : To reduce the overall operational costs
- Option B : To ensure the rapid recovery of data and services after a disruptive event
- Option C : To increase the speed of data processing
- Option D : To enhance the physical security of the data center

**Correct Answer: B**

### QUESTION: 2

What is the significance of conducting environmental impact assessments for data centers?

- Option A : Decrease hardware capacity
- Option B : Increase energy consumption
- Option C : Enhance server reliability
- Option D : Identify areas for improvement

**Correct Answer: D**

### QUESTION: 3

How does waste management contribute to data center sustainability?

- Option A : Using disposable hardware
- Option B : Reducing server power consumption
- Option C : Recycling electronic components
- Option D : Increasing server downtime

**Correct Answer: C**

### QUESTION: 4

How does an IDS (Intrusion Detection System) contribute to Data Centre security?

- Option A : By regulating server backups
- Option B : By improving software performance
- Option C : By monitoring network traffic for suspicious activities
- Option D : By enhancing cooling efficiency

**Correct Answer: C**

### QUESTION: 5

Which security policy focuses on limiting the use of administrative privileges within a data center environment?

- Option A : Security by obscurity
- Option B : Defense in depth
- Option C : Access control
- Option D : Principle of least privilege

**Correct Answer: D**

### QUESTION: 6

In the context of data center physical security, what does 'mantrap' mean?

- Option A : An enclosed space with controlled access points
- Option B : A security breach involving physical force
- Option C : A type of firewall for data protection
- Option D : A biometric access control device

**Correct Answer: A**

### QUESTION: 7

What is the primary function of a Data Centre?

- Option A : To ensure data is securely and reliably processed, stored, and managed
- Option B : To store data for short-term purposes
- Option C : To serve as a backup power facility
- Option D : To monitor and control network traffic

**Correct Answer: A**

### QUESTION: 8

What is the purpose of conducting an environmental impact assessment for data centers?

- Option A : To identify areas for improvement
- Option B : To increase operational costs
- Option C : To attract more customers
- Option D : To reduce server downtime

**Correct Answer: A**

### QUESTION: 9

Which environmental factor is critical for ensuring optimal performance and longevity of data center equipment?

- Option A : Direct sunlight exposure
- Option B : Airborne dust particles
- Option C : High humidity levels
- Option D : Low ambient temperature

**Correct Answer: D**

### QUESTION: 10

What role does a CRAC (Computer Room Air Conditioner) play in data center operations?

- Option A : Temperature regulation
- Option B : Data backup
- Option C : Network monitoring
- Option D : Data encryption

**Correct Answer: A**

### QUESTION: 11

How can data centers manage environmental risks effectively?

- Option A : By outsourcing security management
- Option B : By increasing server capacity
- Option C : By implementing disaster recovery plans
- Option D : By reducing server utilization

**Correct Answer: C**

### QUESTION: 12

Why are firewalls essential components of data center security?

- Option A : They provide data redundancy
- Option B : They secure physical access
- Option C : They increase server speed

Option D : They filter network traffic

**Correct Answer: D**

### QUESTION: 13

Which cooling method is most commonly used in modern data centres for efficient heat dissipation?

- Option A : Direct Expansion (DX) cooling
- Option B : Liquid immersion cooling
- Option C : Air handling units (AHUs)
- Option D : Evaporative cooling

**Correct Answer: C**

### QUESTION: 14

Why are eco-labels important in the context of data centers?

- Option A : Assess hardware compatibility
- Option B : Certify environmental performance
- Option C : Monitor software updates
- Option D : Increase server downtime

**Correct Answer: B**

### QUESTION: 15

Which standard would you reference for best practices on implementing green IT and sustainable data center operations?

- Option A : ASHRAE 90.1
- Option B : BICSI-002
- Option C : ISO/IEC 20000
- Option D : ISO/IEC 30134-1

**Correct Answer: D**

### QUESTION: 16

Which standard focuses on the design and operations of a data center's physical infrastructure?

- Option A : ANSI/TIA-942

Option B : ISO/IEC 27001  
Option C : ISO/IEC 20000  
Option D : ISO/IEC 18000

**Correct Answer: A**

### QUESTION: 17

How do containment systems like hot aisle containment benefit data centers?

Option A : By improving network latency  
Option B : By reducing cooling energy consumption  
Option C : By enhancing physical security  
Option D : By increasing server noise levels

**Correct Answer: B**

### QUESTION: 18

Which organization is responsible for the publication of the ANSI/TIA-942 standard for data centers?

Option A : Institute of Electrical and Electronics Engineers  
Option B : International Organization for Standardization  
Option C : Telecommunications Industry Association  
Option D : American National Standards Institute

**Correct Answer: C**

### QUESTION: 19

Which standard is widely recognized for specifying data centre design and infrastructure requirements?

Option A : ITIL  
Option B : ISO 27001  
Option C : ISO 9001  
Option D : TIA-942

**Correct Answer: D**

### QUESTION: 20

What does the term "uptime" refer to in the context of data centers?

- Option A : Number of servers in the data center
- Option B : Energy efficiency of cooling systems
- Option C : Total time a system is operational
- Option D : Time taken to recover from downtime

**Correct Answer: C**

### QUESTION: 21

What impact does server virtualization have on energy consumption in data centers?

- Option A : It has no effect on energy usage
- Option B : It increases energy usage
- Option C : It increases cooling costs
- Option D : It decreases energy usage

**Correct Answer: D**

### QUESTION: 22

What is the purpose of a UPS (Uninterruptible Power Supply) in a data center?

- Option A : To encrypt data at rest
- Option B : To provide backup power during outages
- Option C : To filter network traffic
- Option D : To regulate server temperature

**Correct Answer: B**

### QUESTION: 23

Which type of fire suppression system is most suitable for use in a data center housing sensitive electronic equipment?

- Option A : Water sprinklers
- Option B : Halon gas suppression
- Option C : CO2 gas suppression
- Option D : Foam-based extinguishers

**Correct Answer: C**

### QUESTION: 24

What is the primary challenge associated with renewable energy usage in data centers?

- Option A : High initial investment costs
- Option B : Low energy efficiency
- Option C : Inconsistent energy output
- Option D : Limited availability of solar panels

**Correct Answer: C**

### QUESTION: 25

How does cold aisle containment contribute to data center sustainability?

- Option A : Reduces energy consumption
- Option B : Enhances network speed
- Option C : Minimizes hardware failures
- Option D : Increases server performance

**Correct Answer: A**

### QUESTION: 26

How does virtualization contribute to environmental sustainability in data centers?

- Option A : By decentralizing data storage
- Option B : By increasing cooling needs
- Option C : By reducing hardware requirements
- Option D : By consuming more energy

**Correct Answer: C**

### QUESTION: 27

In a tier-rated data centre, which level of redundancy is characteristic of Tier III?

- Option A : No redundancy for any systems
- Option B : Redundant components for cooling only
- Option C : N+1 redundancy for power and cooling systems
- Option D : Redundant components for power only

**Correct Answer: C**

### QUESTION: 28

Which data centre certification focuses specifically on energy efficiency and green practices?

- Option A : Uptime Institute Tier Certification
- Option B : ISO 20000
- Option C : BICSI
- Option D : LEED

**Correct Answer: D**

### QUESTION: 29

What does the term "SLA" (Service Level Agreement) refer to in the context of Data Centre services?

- Option A : It regulates server temperature
- Option B : It enhances network speed
- Option C : It defines the level of service expected by customers
- Option D : It prevents unauthorized access

**Correct Answer: C**



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