

BICSI

Exam Questions DCDC-003.1

BICSI Data Center Design Consultant (DCDC)



NEW QUESTION 1

what are 2 typical printer manufacturer environmental criteria?

- A. humidity and temperature
- B. lighting and sound level
- C. radioactivity measurement and electromagnetic interference
- D. electrical conductivity and soil contamination

Answer: A

NEW QUESTION 2

Which areas should generate a history of all access attempts and monitored by CCTV Security System?

- A. Only computer rooms
- B. Storage Areas
- C. Any concealed places
- D. Loading Docks
- E. Computer rooms, Loading docks, storage areas, Staging areas and Vendor Storage

Answer: E

NEW QUESTION 3

What level should the battery room be on?

- A. Grade Level
- B. Upper floor
- C. Lower Floor
- D. None
- E. All

Answer: A

NEW QUESTION 4

What is the minimum distance recommended between a data center's backup generator and the main data center building?

- A. 10 feet
- B. 20 feet
- C. 30 feet
- D. 40 feet

Answer: C

NEW QUESTION 5

What is the ASHRAE TC 9.9 recommended range for humidity levels in a data center?

- A. 20-50%
- B. 40-60%
- C. 60-80%
- D. 80-100%

Answer: B

NEW QUESTION 6

Where should all Storage and Unpacking activities occur?

- A. Outside the Building, at a secure location.
- B. Near the Main Entrance of Data Center
- C. Inside Computer Room
- D. Outside Computer room, either in Storage Rooms or Staging Areas located adjacent to Computer Room with Dedicated air Handling
- E. None of these

Answer: D

NEW QUESTION 7

where should engineering offices be located?

- A. adjacent to equipment rooms they support
- B. in a separate building
- C. far away from the data center
- D. inside computer room

Answer: A

NEW QUESTION 8

What is the minimum height of a ceiling in a data center or telecommunications room?

- A. Five feet from finished floor to any obstruction, sprinklers, lighting
- B. eight feet from finished floor to any obstruction, sprinklers, lighting
- C. ten feet from finished floor to any obstruction, sprinklers, lighting (correct)
- D. twelve feet from finished floor to any obstruction, sprinklers, lighting

Answer: C

NEW QUESTION 9

What are the factors that affect availability?

- A. Operational Requirements
- B. Operational Availability
- C. Impact of Downtime
- D. All of the above

Answer: D

NEW QUESTION 10

What is the minimum sized conductor from the rebar mat foundation to the mesh bonding network?

- A. 4 AWG
- B. 2 AWG
- C. 6 AWG
- D. 8 AWG

Answer: A

NEW QUESTION 10

What 3 standards books should be followed for data center grounding and bonding?

- A. TIA 942, TIA 607 and IEEE 1100
- B. UL 467, UL 96A and NFPA 70
- C. TIA 568, ANSI/TIA-606-B and TIA 568-C.1
- D. ASHRAE Standard 90.1, ASHRAE Standard 62.1 and ASHRAE Standard 55

Answer: A

NEW QUESTION 12

What is typically considered the demarcation point for electrical utility at a data center?

- A. The transformer
- B. The UPS
- C. The generator
- D. The switchboard

Answer: A

NEW QUESTION 13

What is the difference between N+1 and 2N redundancy?

- A. N+1 redundancy means that there is one additional backup component while 2N redundancy means that there are two identical backup components
- B. N+1 redundancy is more reliable than 2N redundancy
- C. 2N redundancy is more cost-effective than N+1 redundancy
- D. N+1 redundancy is more flexible and adaptable to changing needs than 2N redundancy

Answer: A

NEW QUESTION 15

What is the difference between a raised floor and a solid floor?

- A. Raised floor allows for better airflow and cable management
- B. Solid floor allows for better cooling efficiency and higher load capacity
- C. Raised floor is cheaper and easier to install
- D. Solid floor is more flexible and adaptable to changing needs

Answer: A

NEW QUESTION 16

What is the clearance required for the hot aisle width?

- A. 2 ft
- B. 4 ft

- C. 6 ft
- D. 8 ft

Answer: B

NEW QUESTION 20

What is the appropriate fire rating requirements for a command center?

- A. 1/2 hour
- B. 1 hour
- C. 2 hours
- D. 3 hours

Answer: B

NEW QUESTION 24

What's conservative' hydrogen maximum flow rate per minute for battery.

- A. 500 cm/m²
- B. 21 cm/m²
- C. 61 cm/m²
- D. None of these answer

Answer: B

NEW QUESTION 26

What are the different generator ratings?

- A. Standard, Backup and Emergency
- B. Prime, Continuous and Standby
- C. Primary, Secondary and Tertiary
- D. Normal, Redundant and Fault-tolerant

Answer: B

NEW QUESTION 28

What is the recommended placement of electrical distribution sub systems

- A. install in dedicated electrical rooms, or, locate outside the computer room with fire rated wall
- B. install within the computer room space on raised floor
- C. install within server racks
- D. none of the above

Answer: A

NEW QUESTION 31

What is the acceptable dew point level in a data center according to TIA-942?

- A. 60 degrees
- B. 65 degrees
- C. 69.8 degrees
- D. 75 degrees
- E. 80 degrees

Answer: C

NEW QUESTION 32

What is the difference between a hard-wired and a plug-in UPS?

- A. Hard-wired UPS is permanently connected to the electrical system while plug-in UPS can be easily connected and disconnected
- B. Hard-wired UPS is more reliable than plug-in UPS
- C. Plug-in UPS is more cost-effective than hard-wired UPS
- D. Hard-wired UPS is more efficient in terms of power delivery than plug-in UPS

Answer: A

NEW QUESTION 34

What is the minimum separation distance for redundant utility service feeds

- A. 4 feet along entire route
- B. 22 feet along entire route
- C. 44 feet along entire route
- D. 66 Feet Along the Entire Route

Answer: D

NEW QUESTION 37

A. To Supply Primary Power To Data Center Equipment

- A. To backup data center equipment
- B. To supply electricity only during regular working hour
- C. To reduce carbon footprint in the utility industry

Answer: B

NEW QUESTION 38

What IBC occupancy category are data centers placed in if they don't have to operate after an earthquake?

- A. Category1
- B. Category2
- C. Category3
- D. Category 4

Answer: B

NEW QUESTION 41

What is the most common type of automatic transfer switch?

- A. Closed transition
- B. Open transition
- C. Delayed transition
- D. Soft load transition

Answer: B

NEW QUESTION 45

What is the formula to find the maximum allowable cable depth in a non-solid bottom cable tray?

- A. $H = 50/1 + (L * 0.0007)$
- B. $H = 100/1 + (L * 0.0007)$
- C. $H = 150/1 + (L * 0.0007)$
- D. $H = 200/1 + (L * 0.0007)$

Answer: C

NEW QUESTION 49

What is the recommended front of rack aisle width?

- A. 2 feet
- B. 3 feet
- C. 4 feet
- D. 5 feet

Answer: C

NEW QUESTION 53

What is the third preference regarding electricity supply?

- A. At Least Two Circuits From Same Power Grid But Different Substations And Separate Paths
- B. One Balanced Feeder Coordinated With Upstream Backup Feed
- C. One Circuit From Single Sub Station Fed Via Additional Path from Alternate Power Grid
- D. Two Balanced Feeds With Same Voltage Derived From A Single Distribution Station

Answer: A

NEW QUESTION 55

How do you calculate the thermal load of the lighting system inside a data center?

- A. Rated power * .01
- B. IT load * .01
- C. Rated power * .02
- D. IT load * .02
- E. Rated power * .05

Answer: C

NEW QUESTION 56

What is the minimum separation distance of underground telecommunications and utility cabling in same route?

- A. 2 feet minimum along entire route

- B. 6 feet minimum along entire route
- C. no need for separation as long as they are enclosed in different conduit systems.
- D. none of the above

Answer: B

NEW QUESTION 58

What is the flame index spread rating required for all materials hosted in a containment system?

- A. 10
- B. 25
- C. 50

Answer: D

NEW QUESTION 62

What is the function of an emergency generator?

- A. provide backup power to IT equipment only
- B. supply power to the restrooms during a utility outage
- C. back up office lighting
- D. all of the above

Answer: D

NEW QUESTION 67

What is the distance from the bottom of the access floor to the bottom of the cable tray?

- A. 6 inches
- B. 7 inches
- C. 8 inches
- D. 9 inches
- E. 10 inches

Answer: C

NEW QUESTION 72

What is the minimum access floor to ceiling height recommended?

- A. 8 feet minimum
- B. 9 feet minimum
- C. 10 feet minimum
- D. 11ft minimum

Answer: C

NEW QUESTION 76

What types of electrical equipment is typically located inside the computer room

- A. power distribution units, not power distribution equipment, remote power panels, and power strips
- B. transformers only
- C. Uninterrupted Power Supply (UPS) only
- D. Circuit Breakers only

Answer: A

NEW QUESTION 81

What are the recommended computer room delivery pathway dimensions

- A. 10 feet long by 4 feet deep by 8 feet high
- B. 20 feet long by 6 feet deep by 10 feet high
- C. 15 feet long by 5 feet deep by 7 feet high
- D. 14 feet long and has a depth dependent on rack layout.

Answer: A

NEW QUESTION 85

When is a battery room required to have electrolyte spill containment and exhaust systems?

- A. when the battery weight exceeds 500 pounds
- B. When the ceiling suspended load capacity is below 20 pounds per square foot
- C. when the potential for outgassing hydrogen exists
- D. When corrosive fumes are detected in operation room

Answer: C

NEW QUESTION 87

What specific power consumption should be used to measure PUE?

- A. What can directly support operations without including power utilization How much energy a particular device utilizes per unit of time?
- B. only that which directly supports the data center like electrical distribution and cooling equipment
- C. Maximal consumption across all measured devices in a specified amount of time.
- D. Proportion between IT subsystem's input vs output capacities over some period

Answer: B

NEW QUESTION 91

.....

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questions and Answers in PDF Format

DCDC-003.1 Practice Exam Features:

- * DCDC-003.1 Questions and Answers Updated Frequently
- * DCDC-003.1 Practice Questions Verified by Expert Senior Certified Staff
- * DCDC-003.1 Most Realistic Questions that Guarantee you a Pass on Your FirstTry
- * DCDC-003.1 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
[Order The DCDC-003.1 Practice Test Here](#)